DICOM

Conformance Statement

EPIQ 7 Release 1.2.x.x
EPIQ 5 Release 1.2.x.x
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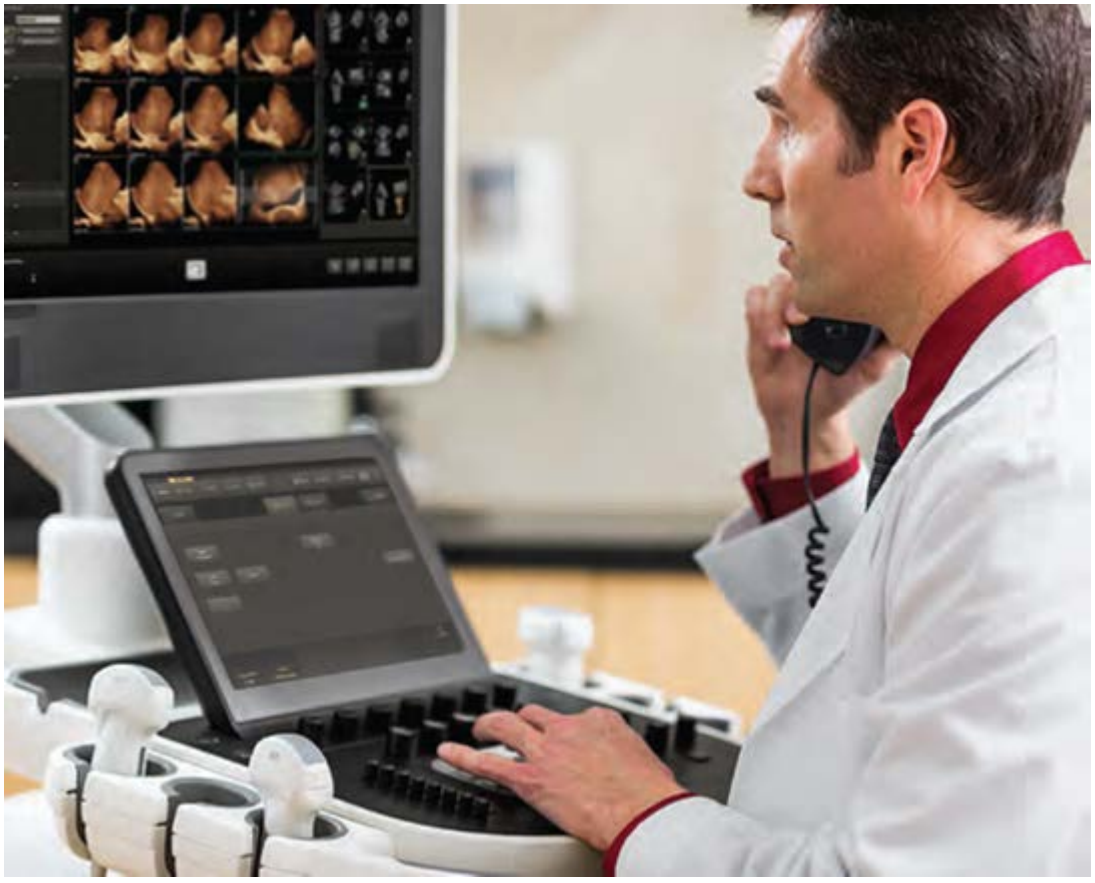
16 May 2014



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PHILIPS

0.1 Revision History

Document Version	Date of Issue	Authors	Description
A	16 May 2014	EC, JL, ML	Initial Release

1 CONFORMANCE STATEMENT OVERVIEW

Table 1.1 provides an overview of the supported network services.

Table 1.1
NETWORK SERVICES

Networking SOP Classes	User of Service (SCU)	Provider of Service (SCP)
Transfer		
Ultrasound Image Storage	Yes*	Yes*
Ultrasound Image Storage (Retired)	Yes*	Yes*
Ultrasound Multiframe Image Storage	Yes*	Yes*
Ultrasound Multiframe Image Storage (Retired)	Yes*	Yes*
Secondary Capture Image Storage	Yes*	Yes*
Multi-frame True Color Secondary Capture Image Storage	Yes*	Yes*
CT Image Storage	Yes*	Yes*
Enhanced CT Image Storage	Yes*	Yes*
Digital Mammography X-Ray Image Storage – For Presentation	Yes*	Yes*
Digital Mammography X-Ray Image Storage – For Processing	Yes*	Yes*
MR Image Storage	Yes*	Yes*
Enhanced MR Image Storage	Yes*	Yes*
MR Spectroscopy Image Storage	Yes*	Yes*
Multi-frame Single Bit Secondary Capture Image Storage	Yes*	Yes*
Multi-frame Grayscale Byte Secondary Capture Image Storage	Yes*	Yes*
Multi-frame Grayscale Word Secondary Capture Image Storage	Yes*	Yes*
Positron Emission Tomography Image Storage	Yes*	Yes*
X-Ray Angiographic Image Storage	Yes*	Yes*
Private 3D Presentation State Storage	Yes*	Yes*
Comprehensive SR Storage	Yes*	No
Storage Commitment Push Model	Yes*	No
Query/Retrieve		
Study Root Query/Retrieve-FIND	Yes**	No
Study Root Query/Retrieve-MOVE	Yes**	No
Workflow Management		

Modality Worklist Information Model - FIND	Yes*	No
Modality Performed Procedure Step	Yes*	No
Print Management		
Basic Grayscale Print Management	Yes	No
Basic Color Print Management	Yes	No

The Philips EPIQ Ultrasound system implements the necessary DICOM® services to download worklists from an information system, store Images and Structured Reports to a network storage device, commit previously stored US images, store Images and Structured Reports to CD, DVD, or removable USB Media storage devices, print to a networked DICOM printer device, receive previously stored ultrasound and other modality images, and inform the information system about the work actually done.

* Purchasable option “Netlink DICOM 3.0”. DICOM Printing does not require an option.
** Requires option “Ultrasound Query Retrieve”.

The SOP Classes are categorized as shown in Table 1.2:

Table 1.2
UID VALUES

UID Value	UID NAME	Category
1.2.840.10008.1.20.1	Storage Commitment Push Model SOP Class	Workflow Management
1.2.840.10008.3.1.2.3.3	Modality Performed Procedure Step SOP Class	Workflow Management
1.2.840.10008.5.1.1.9	Basic Grayscale Print Management Meta SOP Class	Print Management
1.2.840.10008.5.1.1.18	Basic Color Print Management Meta SOP Class	Print Management
1.2.840.10008.5.1.4.1.1.1.2	Digital Mammography X-Ray Image Storage – For Presentation	Transfer
1.2.840.10008.5.1.4.1.1.1.2.1	Digital Mammography X-Ray Image Storage – For Processing	Transfer
1.2.840.10008.5.1.4.1.1.2	CT Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.2.1	Enhanced CT Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.3.1	Ultrasound Multi-frame Image Storage	Transfer

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UID Value	UID NAME	Category
1.2.840.10008.5.1.4.1.1.3	Ultrasound Multi-frame Image Storage (Retired)	Transfer
1.2.840.10008.5.1.4.1.1.4	MR Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.4.1	Enhanced MR Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.4.2	MR Spectroscopy Storage	Transfer
1.2.840.10008.5.1.4.1.1.6.1	Ultrasound Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.6	Ultrasound Image Storage (Retired)	Transfer
1.2.840.10008.5.1.4.1.1.7	Secondary Capture Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.7.1	Multi-frame Single Bit Secondary Capture Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.7.2	Multi-frame Grayscale Byte Secondary Capture Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.7.3	Multi-frame Grayscale Word Secondary Capture Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.7.4	Multi-frame True Color Secondary Capture Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.128	Positron Emission Tomography Image Storage	Transfer
1.2.840.10008.5.1.4.1.1.12.1	X-Ray Angiographic Image Storage	Transfer
1.3.46.670589.2.5.1.1	Private 3D Presentation State Storage	Transfer
1.2.840.10008.5.1.4.1.1.88.33	Comprehensive SR Storage	Transfer
1.2.840.10008.5.1.4.1.2.2.1	Study Root Query/Retrieve Information Model – FIND	Query/Retrieve
1.2.840.10008.5.1.4.1.2.2.2	Study Root Query/Retrieve Information Model – MOVE	Query/Retrieve
1.2.840.10008.5.1.4.31	Modality Worklist Information Model – FIND	Workflow Management
1.2.840.10008.5.1.4.31	Modality Worklist Information Model – FIND	Workflow Management

Table 1.3 specifies the Media Storage Application Profiles supported.

Table 1.3
MEDIA SERVICES

Media Storage Application Profile	Write Files (FSC or FSU)	Read Files (FSR)
STD-US-SC-SF&MF-CDR	Yes / Yes	Yes(1)
STD-US-SC-SF&MF-DVD	Yes / Yes	Yes(1)
STD-GEN-USB-JPEG	Yes / Yes	Yes(1)

(1) Structured Reports cannot be imported.

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3 INTRODUCTION

3.1 AUDIENCE

This document is intended for hospital staff, health care system integrators, software designers or implementers. It is assumed that the reader has a working understanding of DICOM.

3.2 REMARKS

DICOM, by itself, does not guarantee interoperability. However, the Conformance Statement facilitates a first-level validation for interoperability between different applications supporting the same DICOM functionality.

This Conformance Statement is not intended to replace validation with other DICOM equipment to ensure proper exchange of information intended.

The scope of this Conformance Statement is to facilitate communication between Philips Medical Systems and other vendors' Medical equipment. The Conformance Statement should be read and understood in conjunction with the DICOM Standard [DICOM]. However, by itself it is not guaranteed to ensure the desired interoperability and successful interconnectivity.

The user should be aware of the following important issues:

— The comparison of different conformance statements is the first step towards assessing interconnectivity between Philips Medical Systems and non - Philips Medical Systems equipment.

— Test procedures should be defined to validate the desired level of connectivity.

— The DICOM standard will evolve to meet the users' future requirements. Philips Medical Systems is actively involved in developing the standard further and therefore reserves the right to make changes to its products or to discontinue its delivery.

— This DICOM Conformance Statement reports the implementation of two ultrasound systems, EPIQ 7 and EPIQ 5 1.1.x.x

3.3 DEFINITIONS, TERMS AND ABBREVIATIONS

Definitions, terms and abbreviations used in this document are defined within the different parts of the DICOM standard.

Abbreviations and terms are as follows:

AE	Application Entity
AET	Application Entity Title
ASCE	Association Control Service Element
CD-R	Compact Disk Recordable
CID	Context ID. Reference to a DICOM code "context group" defined in DICOM PS3.16
CSE	Customer Service Engineer
DICOM	Digital Imaging and Communications in Medicine
FSC	File-Set Creator
FSU	File-Set Updater
FSR	File-Set Reader
GSDF	Grayscale Standard Display Function
HIPAA	United States "Healthcare Insurance Portability and Accountability Act of 1996"

IOD	Information Object Definition
ISO	International Standard Organization
LOINC	Logical Observation Identifiers Names and Codes
MPPS	Modality Performed Procedure Step
MWL	Modality Worklist
R	Required Key Attribute
O	Optional Key Attribute
PDIR	Patient Directory screen on EPIQ
PDU	Protocol Data Unit
PDE	Patient Data Entry screen on EPIQ
PS3.x	Reference to part 'x' the DICOM 3.0 Standard
PSC	Philips Support Connect. It is the primary interface on EPIQ for configuring DICOM services. It is reached by pressing the "Support" key on the EPIQ control panel.
SCU	Service Class User (DICOM client)
SCP	Service Class Provider (DICOM server)
SOP	Service-Object Pair
SNOMED	Systematized Nomenclature of Medicine (SRT)
SPS	Scheduled Procedure Step
SR	Structured Report
TID	Template ID. Reference to a DICOM Structured Report "template" defined in DICOM PS3.16
U	Unique Key Attribute
US	Ultrasound
USB	Universal Serial Bus

The following upper-case abbreviations represent specific Attributes. Refer to PS3.3 Section 8 for a description:

CV	Code Value (0008,0100)
CSD	Coding Scheme Designator (0008,0102)
CM	Code Meaning (0008,0104)
CSV	Coding Scheme Version (0008,0103)

3.4 REFERENCES

[DICOM] Digital Imaging and Communications in Medicine (DICOM), NEMA PS 3.1-3.20, 2011, available free at http://medical.nema.org/standard.html

Integrated Healthcare Enterprise (IHE) Radiology Technical Framework, Vol. 1, Integration Profiles, version 11.0 Final Text July 24, 2012

Integrated Healthcare Enterprise (IHE) Radiology Technical Framework, Vol. 2, Transactions, version 11.0 Final Text July 24, 2012

Integrated Healthcare Enterprise (IHE) Radiology Technical Framework, Vol. 3, Transactions continued, version 11.0 Final Text July 24, 2012

Integrated Healthcare Enterprise (IHE) Cardiology Technical Framework, Vol. 1, Integration Profiles, Revsion 4.0, Final Text, August 5, 2011

Integrated Healthcare Enterprise (IHE) Cardiology Technical Framework, Vol. 2, Transactions, Revsion 4.0, Final Text, August 5, 2011

Integrated Healthcare Enterprise (IHE) Cardiology Technical Framework Supplement, Stress Testing Workflow, Trial Implementation Revision 2.1, October 15, 2010

Joint VA / DoD DICOM Conformance Requirements for Digital Acquisition Modalities, Version 3.0, September 28, 2005

4 NETWORKING

4.1 IMPLEMENTATION MODEL

4.1.1 Application Data Flow

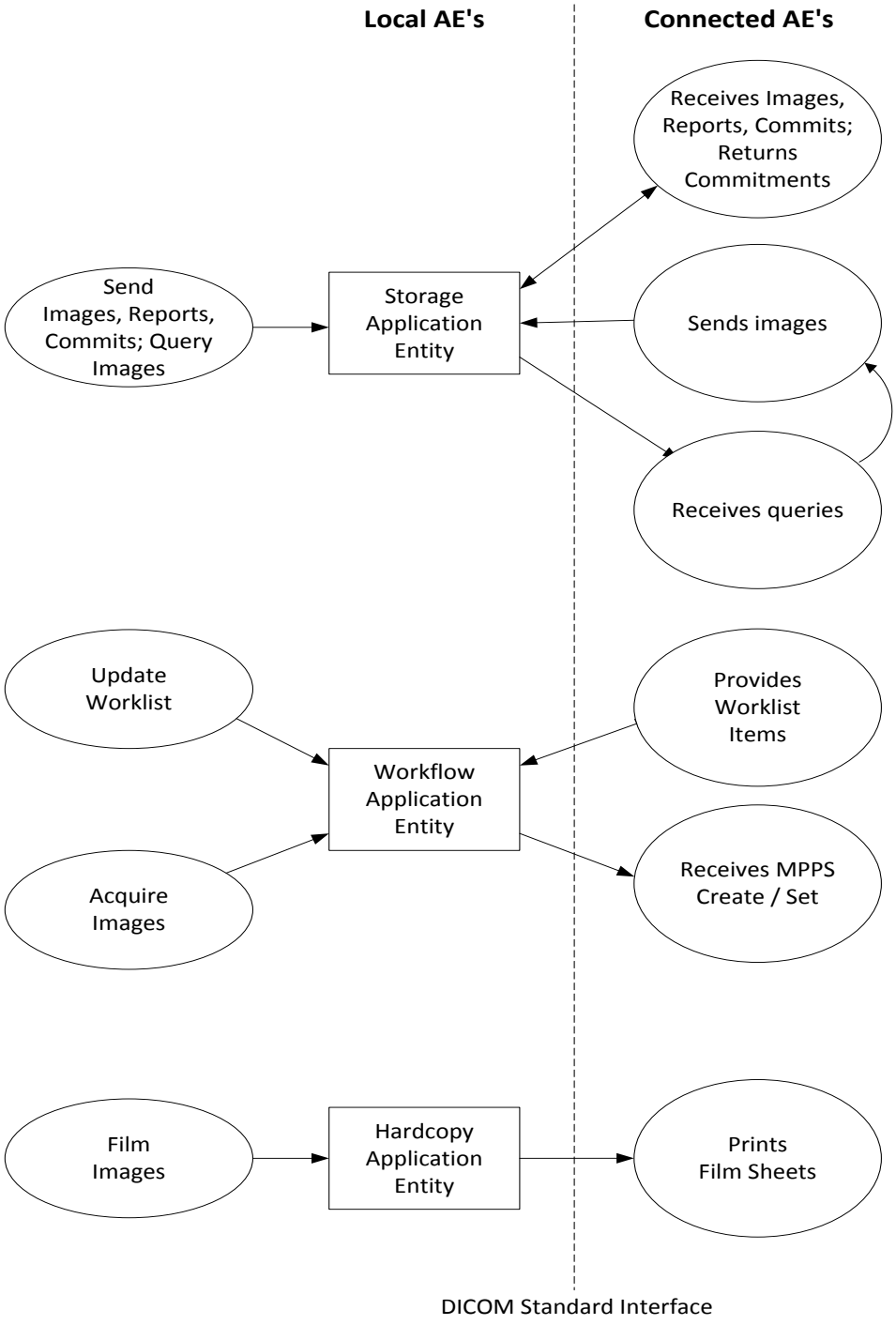


Figure 1: APPLICATION DATA FLOW DIAGRAM

— The **Storage Application Entity** sends **Images** and **Structured Reports** to a remote AE. It is associated with the local real-world activity "Acquire" on EPIQ. Sending of images may occur automatically when configured to do so, either "After Each Print/Acquire" or "At End of Exam" with or without "Send on Demand", with separate export destination configuration of each acquisition control. In addition, exam data may be be sent manually upon request of the user.

If configured for After Each Print/Acquire, images are transferred immediately after acquisition and Structured Reports are transferred at the end of the exam. The association remains open for 10 minutes, and then closes. If configured for At End Exam, images and Structured Reports are transferred when the exam is ended.

An exam may be sent manually by user selection from the Patient Directory (PDIR), including exams that have been imported or retrieved into EPIQ from other sources. Further, individually-selected images acquired on EPIQ may be sent manually from image review.

If the remote AE is configured for Storage Commitment, the Storage AE will request Storage Commitment after End Exam. If a commitment response is successfully obtained, this information is recorded in the local database, placing a checkmark in the commit portion of the Patient Directory display and signaling the Auto-delete function that the exam qualifies for deletion.

There are several available mechanisms for importing images acquired on other devices, including Ultrasound images and images of other modalities:

- When configured, images may be retrieved using the Query/Retrieve service
- DICOM images may be imported directly from local media
- DICOM images may be pushed onto EPIQ by another Storage SCU device without being initiated by the EPIQ user

Send on Demand allows for sending acquired images and/or Structured Report during an active exam without ending the exam or in-progress MPPS. Print images will be sent without requiring a full print page to be filled. Send on Demand is invoked by pressing an icon located at the bottom center of the system display after acquiring the first image of the study.

— The **Workflow Application Entity** receives Modality Worklist (MWL) information from and sends Modality Performed Procedure Step (MPPS) information to remote AEs. It is associated with the local real-world activities "Update Worklist", "Patient Search" and "Acquire Images".

When either the "Update Worklist" or "Patient Search" local real-world activity is performed, the Workflow Application Entity queries a remote AE for worklist items and provides the set of worklist items matching the query request. "Update Worklist" is performed as a result of an operator request or can be is performed automatically at specific time intervals. "Patient Search" is manually initiated.

Modality Performed Procedure Steps are created and updated with the following real-world events:

- o MPPS N-Create, Status = IN PROGRESS:
  - Acquisition of images using "Print", "Capture" or "Acquire" will result in automated creation of an MPPS Instance managed by a remote AE.
- o MPPS N-Set, Status = COMPLETE
  - Completion of the MPPS is performed as the result of an operator action of ending the exam.
- o MPPS N-Set, Status = DISCONTINUED
  - "Cancel Exam" causes the "Discontinued" status to be sent. A "Paused" exam does not initiate an MPPS event.

Images and SRs may be Appended to an ended exam. There are two fundamental methods to perform append:

- o Append from Patient Directory
  - Select an Ended study from the Patient Directory.
    - Select the study; choose "Append." Two options are available:

- "Add" (if less than 24 hours old), allows images to be added to the original Study, using the same Study Instance UID, and a new Series Instance UID. If more than 24 hours old, only "Create" will be available.
- "Create", which will create a new Study Instance UID.
- Study Status will be "Ended"
- The choice of which option to use is dependent on the behavior of the SCP to which the data is sent.

- Append from Image Review
  - Select the exam from the Patient Directory. Select "Display Exams" to review images.
    - Select an image for full-screen display
    - A message is displayed at the bottom of the screen, "Creating a new exam for append…"
    - Study Status of new exam in the Patient Directory will be "Appended" after exiting review.
- Default behavior is selectable via a configuration screen for Append from Image Review – Create Study Instance UID:
- For Exams appended by creating the image from Image Review and changing visualization of the existing images, for example, changing chroma map, added images would have the same Acquisition DateTime value of the original images in which the images were acquired. This is not the case for append from Patient Directory, which creates completely new images with the current date and time.
- Study Date on the Report page refers to the date of an exam in which the evidences were acquired. This is exported as DICOM Study Date. This includes all Appended and Non-Appended exams.
- For Exams appended from Image Review, the Report footer has the statement "Appended: "followed by the date in which the exam is started for Appending/Appended exams from Image Review.
- SR Vendors shall refer to DICOM Study Date to determine the date of the original exam in which the evidences were acquired and refer to DICOM Performed Procedure Step Start Date for the date of Appended exam.

— The **Hardcopy Application Entity** prints images on a remote AE (Printer or print server). It is associated with the local real-world activity"Acquire" depending on configuration. The user action creates a print queue containing one or more virtual film sheets composed from images acquired by the user. It creates and sends fully rendered pages already containing the user's selected formatting choices. Only a single image object per sheet is sent to the printer. This print object is rather large compared to sending individual Image Box objects to the printer. If the user has both a BW and Color DICOM printer configured and selected, and is using "After Each Print/Capture (or Acquire)", the images containing no Color Flow or Chroma data will be sent to the BW printer, all others will be sent to the Color printer.

Exam data is sent to all selected Store, Print and Workflow destinations simultaneously in accordance with system configuration of "After Each Print/Capture (or Acquire)" or "At End of Exam"; if Send on Demand had been used images and updated Structured Reports since last Send on Demand are sent at End Exam. Writing to media is always at the end of the exam.

4.1.2 Functional Definition of AEs

4.1.2.1 Functional Definition of Storage Application Entity

The existence of a Network Store queue with associated network destination will activate the Storage AE. An association request is sent to the destination AE and upon successful negotiation of a Presentation Context, the image transfer is started. If the association cannot be opened, the related queue is set to a "Failed" state, indicated by a Red dot on the Network Icon, and can be restarted by the user via the queue management interface. The user may need to cancel the queue, and then restart manually. Multiframe (loop) objects will be transferred first, then single frames when configured for End of Exam. When "Image Export Format" is selected as "monochrome", single frame images that have no Color Flow Doppler or Chroma maps applied, will export as grayscale using Monochrome2 Photometric

Interpretation. Single frame images that include Color Flow Doppler will be sent as RGB. If the non-active region of a 2D/scrolling image has a chroma map, it will be sent as monochrome.

The Storage AE is also responsible for accepting images for storage in EPIQ, though any of the following mechanisms:

- Import from removable media
- Retrieve using the Query/Retrieve service
- Unsoliciated push from a Storage SCU to EPIQ acting as a Storage SCP. This mechanism requires that the Storage SCU to have previously been configured as an acceptable DICOM Storage Device.

4.1.2.2 Functional Definition of Workflow Application Entity

Update Worklist attempts to download a Modality Worklist from a Modality Worklist SCP with studies matching the search criteria. Default query criteria are Modality of US (ultrasound) and Scheduled Procedure Step Start Date of the current date. Additional changes to Modality Worklist search include customizing to search for a different AE Title, Station Name, System Location and Custom Modality. If the Workflow AE establishes an Association to a remote AE, it will transfer all matching worklist items via the open Association. The results of a successful Worklist Update will overwrite the data in the Worklist display. Specific queries for Patient Last Name, Patient ID, Accession #, Exam Date or Date Range, and Requested Procedure ID may also be performed using the Patient Search.

There is no queue management for Modality Worklist.

Note: A wildcard (broad) patient query can be performed by entering a * in the Patient Name field.

The Workflow AE performs the creation of a Modality Performed Procedure Step (MPPS) instance automatically when the first image of a study is acquired. MPPS message queues are listed along with Image and Structured Report queues in the Network status window.

The user may also change patient identification information while a MPPS is in progress. If this is done, the previous MPPS is discontinued and an new MPPS is created with the changed patient information. The Storage AE is informed, and if images acquired under the previous patient information have already been transferred (because Send After Each Print/Acquire or Send On Demand) the images are regenerated and sent again with updated patient information and new DICOM UID's.

4.1.2.3 Functional Definition of Hardcopy Application Entity

The existence of a print queue will activate the Hardcopy AE. An association is established with the printer(s) and the printer's status determined. If the printer is operating normally, the film sheets will be printed. If the printer is not operating normally, the print queue will set to a "Failed" state and can be restarted by the user via the queue management interface. In the case that a user has both a BW and a Color DICOM printer configured, during an exam with "After Each Print/Capture" selected, the images that contain color data, i.e., Color Flow Doppler or Chroma, will be sent to the Color printer only, and all other images sent only to the BW printer. There is an embedded retry mechanism that retries User Recoverable errors for up to 1 hour, waiting 20 seconds between attempts.

4.1.3 Sequencing of Real-World Activities

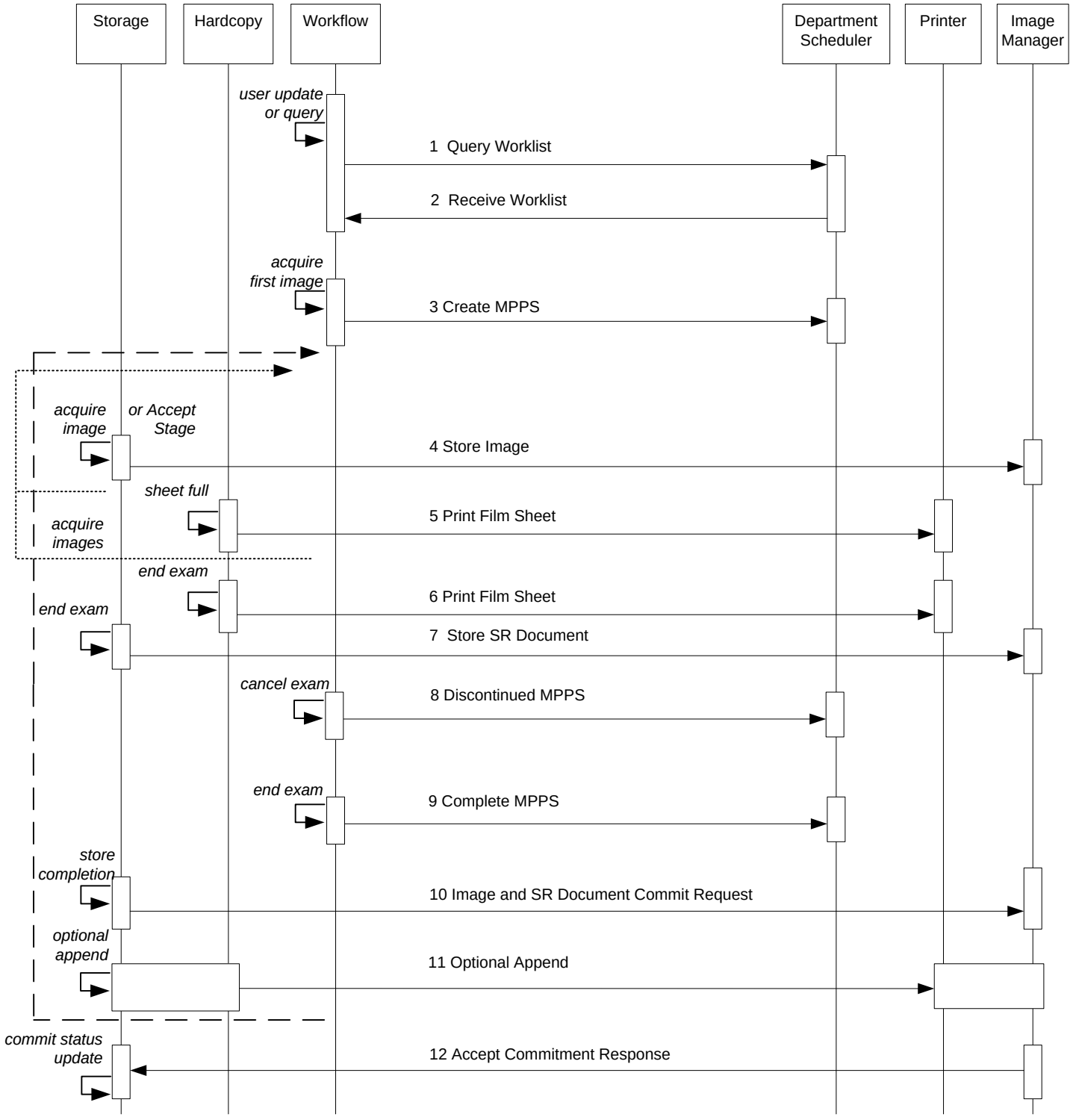


FIGURE 2A:
SEQUENCING CONSTRAINTS – CONFIGURED TO SEND AFTER EACH PRINT/ACQUIRE

Figures 2a and 2b illustrate normal scheduled workflow conditions.

Notes:

- Messages may slightly change order occasionally.
- All selected store, print and workflow devices are sent data during the exam when configured for “Send After Each Print/Capture” or at “At End of Exam.”
- Selecting a study from Review for export will send to all selected devices.

Other workflow situations (e.g. unscheduled procedure steps) will have other sequencing constraints. Printing or storage could equally take place after image acquisition. Printing could be omitted completely if no printer is connected or hardcopies are not required.

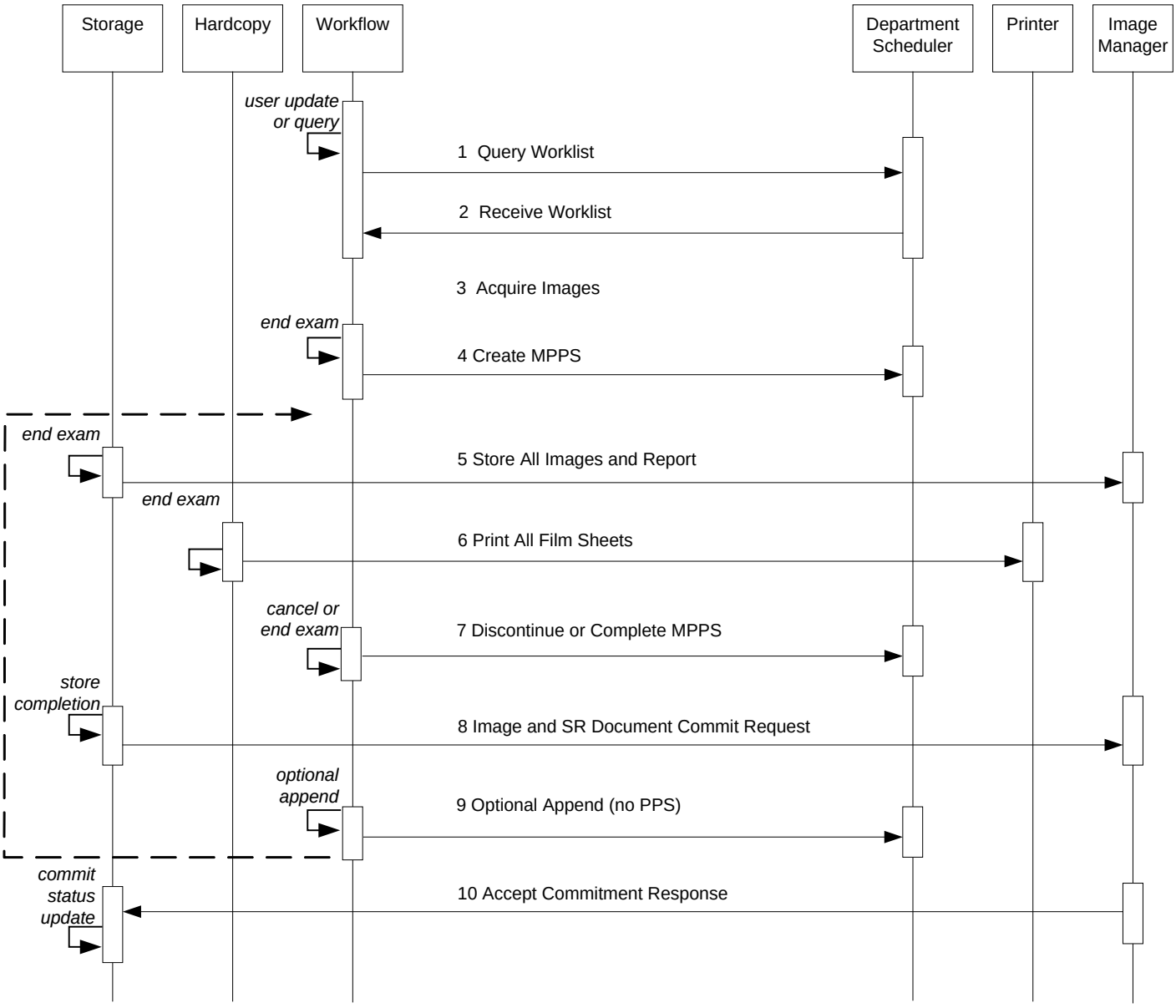


FIGURE 2B:
SEQUENCING CONSTRAINTS – CONFIGURED TO SEND AT END EXAM

Figures 2c Illustrates Flow Changes to Send At End of Exam with Send on Demand (SoD)

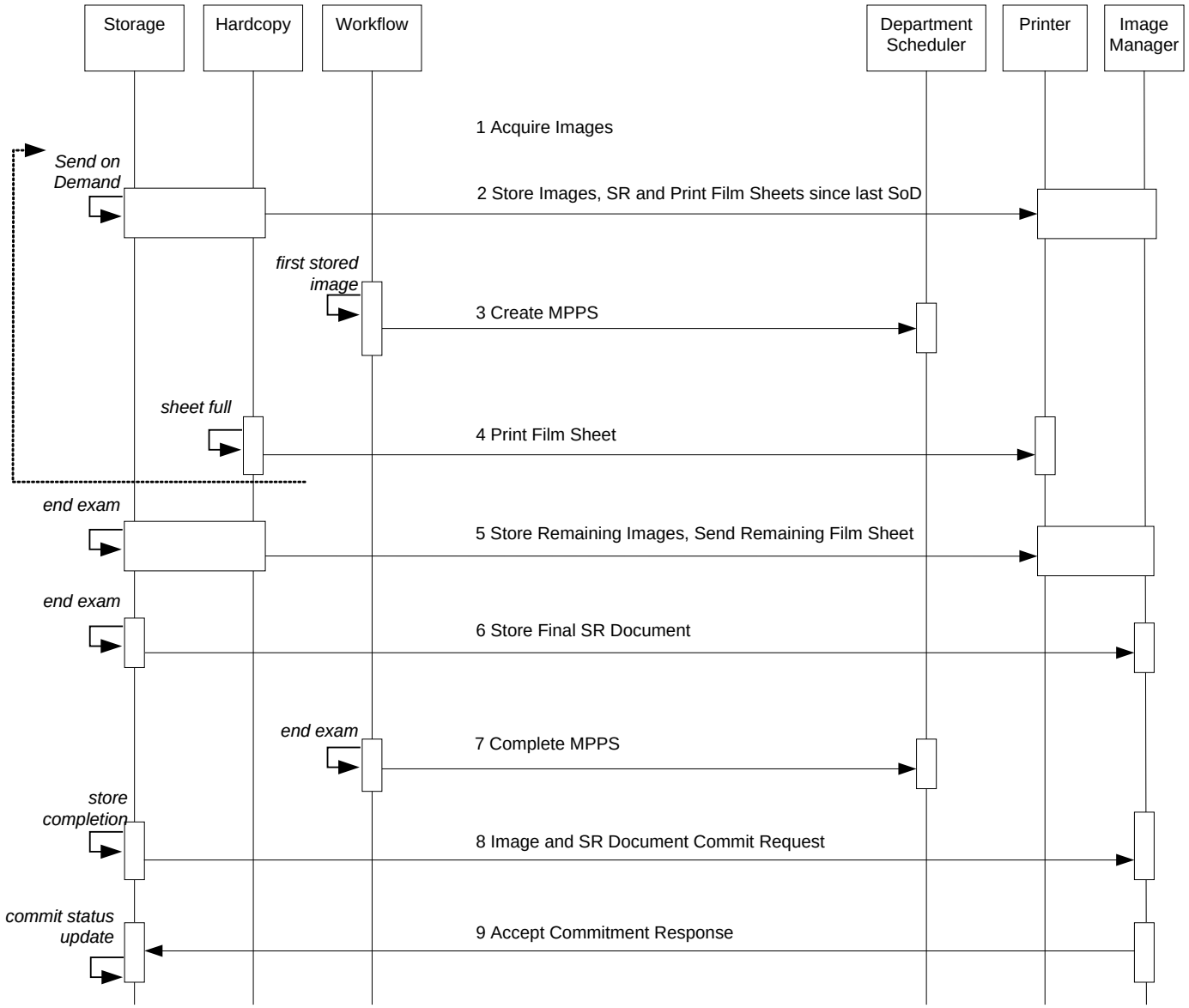


FIGURE 2C:
SEQUENCING CONSTRAINTS – SEND ON DEMAND CONFIGURATION

4.2 AE SPECIFICATIONS

4.2.1 Storage Application Entity Specification

4.2.1.1 SOP Classes

EPIQ provides Standard Extended[1] Conformance to the following SOP Classes:

[1] See section 8.7 for information on the Standard Extended SOP Class

Table 4.1
SOP CLASSES FOR AE STORAGE

SOP Class Name	SOP Class UID	SCU	SCP
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Yes	Yes
US Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6	Yes	Yes
US Multiframe Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Yes	Yes
US Multiframe Image Storage (retired)	1.2.840.10008.5.1.4.1.1.3	Yes	Yes
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Yes	Yes
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Yes	Yes
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Yes	Yes
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1	Yes	Yes
Digital Mammography X-Ray Image Storage – For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Yes	Yes
Digital Mammography X-Ray Image Storage – For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Yes	Yes
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Yes	Yes
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Yes	Yes
MR Spectroscopy Image Storage	1.2.840.10008.5.1.4.1.1.4.2	Yes	Yes
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1	Yes	Yes
Multi-frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2	Yes	Yes
Multi-frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Yes	Yes
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	Yes	Yes
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	Yes	Yes
Private 3D Presentation State Storage	1.3.46.670589.2.5.1.1	Yes	Yes
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Yes	No
Storage Commitment Push Model	1.2.840.10008.1.20.1	Yes	No
Study Root Query/Retrieve – FIND	1.2.840.10008.5.1.4.1.2.2.1	Yes	No
Study Root Query/Retrieve – MOVE	1.2.840.10008.5.1.4.1.2.2.2	Yes	No

Note: Use of Retired SOP Classes only is user configurable for the system on the Print/Network “Printer/Capture configuration page. All image storage will use Retired SOP Classes only when selected.

4.2.1.2 Association Establishment Policy

4.2.1.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.2
DICOM APPLICATION CONTEXT FOR AE STORAGE

Application Context Name	1.2.840.10008.3.1.1.1

4.2.1.2.2 Number of Associations

EPIQ initiates one Association at a time for each destination to which a transfer request is being processed in the active job queue list. Five storage destinations, 1 Structured Report storage destination, and 1 Storage Commitment destination may be selected simultaneously, but only one job will be active at a time;, the other(s) remain pending until the active job is completed or failed.

Table 4.3
NUMBER OF ASSOCIATIONS INITIATED FOR AE STORAGE

Maximum number of simultaneous Associations	1

EPIQ accepts Associations for N-EVENT-REPORT notifications for the Storage Commitment Push Model SOP Class. EPIQ will also accept Associations for C-Store messages for receiving data in response to Query/Retrieve C-MOVE requests or unsolicited images from a Storage SCU sending images to EPIQ.

Table 4.4
NUMBER OF ASSOCIATIONS ACCEPTED FOR AE STORAGE

Maximum number of simultaneous Associations	5

4.2.1.2.3 Asynchronous Nature

EPIQ does not support asynchronous communication (multiple outstanding transactions over a single Association).

Table 4.5
ASYNCHRONOUS NATURE AS A SCU FOR AE STORAGE

Maximum number of outstanding asynchronous transactions	1

4.2.1.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.6
DICOM IMPLEMENTATION CLASS AND VERSION FOR AE STORAGE

Implementation Class UID	1.3.46.670589.5.2.10
Implementation Version Name	MIP10.1RC2

4.2.1.3 Association Initiation Policy

4.2.1.3.1 Activity – Store Images and Structured Reports

4.2.1.3.1.1 Description and Sequencing of Activities

A user may select exams or individual images from Review and request them to be sent to multiple destinations (up to five). Reports may not be selected individually, but are sent when "End Exam" is pressed, and when an entire exam is selected for export from the Review Directory. Each object (single-frame image, multi-frame image, private presentation state, or structured report) is entered into the job queue. When the "Send After Each Print/Capture" option is active, the queue is serviced continuously during the exam. There is a default 10-minute timeout for "Send After Each," after which the association is closed. Any additional images acquired during the exam will be sent on a subsequent association.

The Network Status icon reports the status of the job, Green is ok, Yellow is paused, and Red is failed. If the C-STORE response from the remote Application Entity contains a status other than Success, the Association is aborted and the related Job is switched to a failed state. It can be restarted any time by user interaction. When a system configured with selected network destinations is used without the network connected, it is considered in "Portable" mode. Each network status Icon will be Yellow with status of "Pending" for each study acquired while the network was not connected. Reconnecting the network cable will initiate transfer again.

If a device is configured for Storage Commitment service, the Storage AE will transmit a separate Storage Commitment N-ACTION request for images and one for the report, over two separate Associations. The Storage AE can only receive an N-EVENT-REPORT request in a separate subsequent association initiated by the SCP employing PDU 54H SCP/SCU Role Negotiation in the SCP's Association Request. It cannot receive N-EVENT-REPORT request messages on the same association as the N-ACTION request.

Structured reports will contain all supported measurements and calculations created by EPIQ even if they are not selected for display in the on-system report. Measurements or calculations that are not supported for export are listed in Appendix A in the Mapping Tables for each report and indicated by "Not Mapped"

OB-GYN study types generate OB-GYN Ultrasound Procedure Reports, Vascular or Abdominal study measurements generate a VascularUltrasound Report, and the Adult Echo Study generates an Echocardiography Procedure Report. Two types of Pediatric Echo Reports are available depending on configuration: DICOM-standard Pediatric, Fetal, and Congenital Cardiac Ultrasound Report or Philips proprietary Pediatric Echo Report. Note that there may be more than one report instance per exam, so long as they are from different study types.

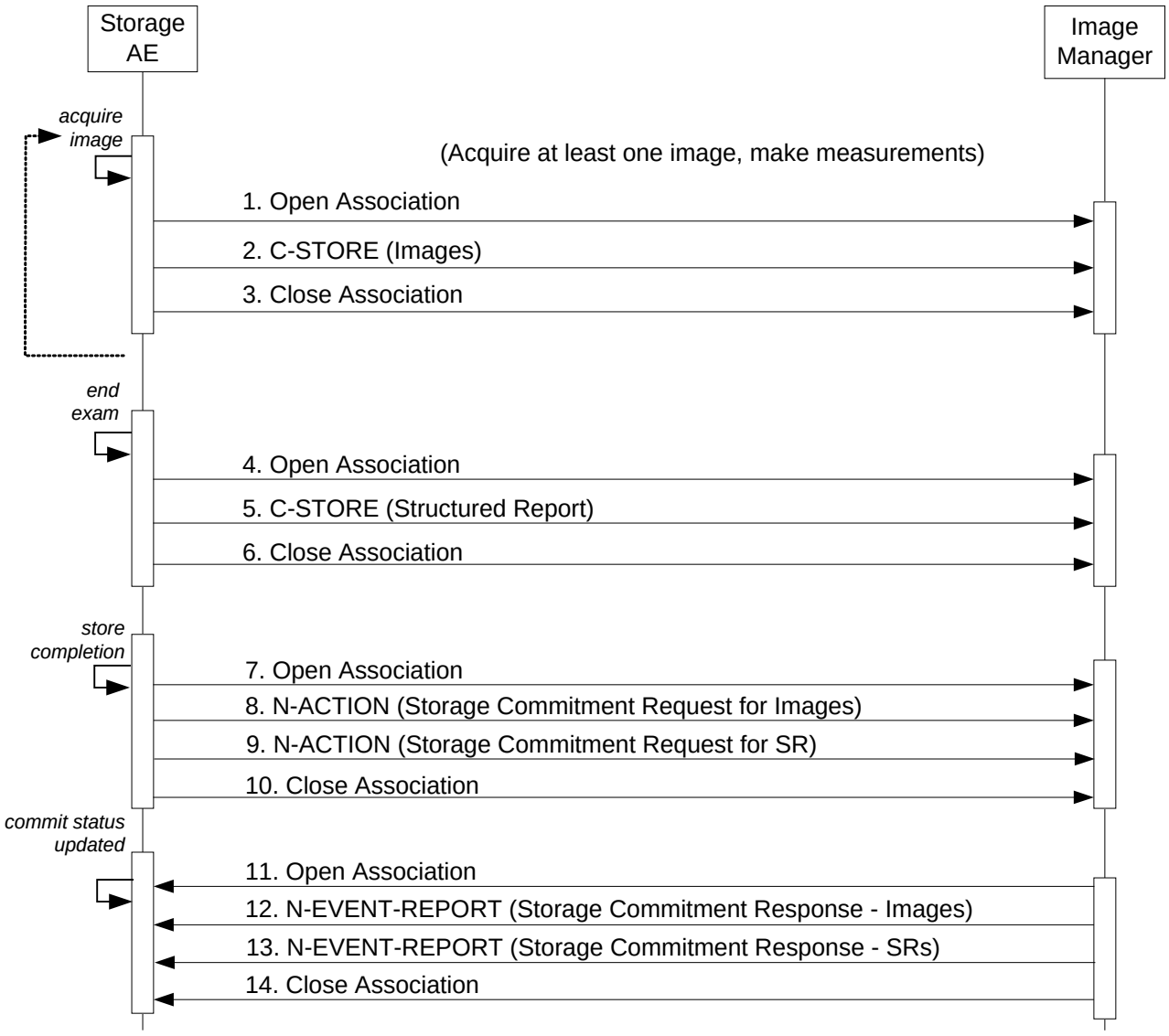


Figure 3
SEQUENCING OF ACTIVITY – SEND IMAGES AFTER EACH PRINT/ACQUIRE AND STRUCTURED REPORT

The sequence of interactions between the Storage AE and an Image Manager is illustrated in Figure 3 for the "Store" configuration option "Send After Each Print/Acquire". If the "Send At End Exam" configuration option is selected, no C-STORE is sent at the Acquire Image event and instead all image C-STOREs are sent after end exam.

NOTES: Pausing an exam will close the current association. A new association will be created when resumed. Similar behavior when the association times out.
The N-EVENT-REPORT must be sent over a separate association initiated by the Image Manager (see Section 4.2.1.4.1 on Activity – Receive Storage Commitment Response).

4.2.1.3.1.2 Proposed Presentation Contexts

EPIQ is capable of proposing the Presentation Contexts shown in the following table:

Table 4.7
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY SEND IMAGES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.5	SCU	None
US Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.5	SCU	None
US Multiframe Image Storage*	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5	SCU	None
US Multiframe Image Storage* (Retired)	1.2.840.10008.5.1.4.1.1.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5	SCU	None
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.5	SCU	None
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5	SCU	None
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCU	None
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCU	None
Digital Mammography X-Ray Image Storage – For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCU	None

Digital Mammography X-Ray Image Storage – For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCU	None
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCU	None
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCU	None
MR Spectroscopy Image Storage	1.2.840.10008.5.1.4.1.1.4.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCU	None
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
Multi-frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70	SCU	None
Multi-frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70	SCU	None
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70	SCU	None
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70	SCU	None
Private 3D Presentation State**	1.3.46.670589.2.5.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
Comprehensive Structured Report Storage	1.2.840.10008.5.1.4.1.1.88.33	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

* Loops will be YBR_FULL_422 unless “Uncompressed” is selected in setups, which will produce RGB or MONOCHROME2 depending on system setup and image content (if Color Doppler or Chroma) listed below.

** Intended for use only on QLAB and Xcelera workstations.

Presentation Contexts are proposed for each Storage device based on selected options. Storage Commitment N-Action Requests will only be sent to a device that is configured as the Storage Commitment server.

All Presentation Contexts are proposed for all Storage devices, unless the user selects “Implicit Little Endian Only” in the Advanced Configuration tab for the configured device. Then only Implicit Little Endian is negotiated for that device, provided the study contains no JPEG Lossy compressed loops

The Implicit Little Endian Only selection will override the Single Frame Compression setting, resulting in only uncompressed export.

Storage Commitment N-ACTION requests are only sent to the device that is configured as the Storage Commitment server. Storage Commitment always works in conjunction with a designated Storage SCP configured to receive storage of the objects to be committed.

4.2.1.3.1.3 SOP Specific Conformance

4.2.1.3.1.3.1 Image and Comprehensive Structured Report Storage SOP Classes

4.2.1.3.1.3.1.1 Storage (C-STORE)

All Image and Comprehensive Structured Report Storage SOP Classes supported by the Storage AE exhibit the same behavior, except where stated, and are described together in this section.

Table 4.8 describes C-Store response behavior.

Table 4.8
STORAGE C-STORE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The SCP successfully stored the SOP Instance. If all SOP Instances succeed, the job is marked as complete.
*	*	Any other status code.	The Association is aborted using A-ABORT and the transfer fails. The status is logged.

The behavior of Storage AE during communication failure is summarized in Table 4.9.

Table 4.9
STORAGE COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	Same as Service Status “Refused” in Table 4.8 above.
Association aborted by the SCP or network layers	Same as Service Status “Refused” in Table 4.8 above.

A green dot on the Network Transfer Icon indicates a successful transfer or an active queue. A red dot indicates failure. By using the Queue Manager, the user can restart a failed transfer. Open the Queue Manager by clicking on the Network Transfer Icon. Select the failed transfer and click Retry

An Association that is interrupted due to a broken and reestablished network topology will automatically retry the connection 1 time after a 5 second delay before reporting a connection failure.

The contents of US Image, US Multiframe Storage and Comprehensive Structured Report Storage SOP Instances conform to the DICOM IOD definitions described in Section 8.1.

4.2.1.3.1.3.2 SOP Specific Conformance for Storage Commitment Push Model SOP Class

4.2.1.3.1.3.2.1 Storage Commitment Notifications (N-EVENT-REPORT)

The Storage AE will request storage commitment for the configured device. Storage Commitment is only requested automatically by the system at the end of an exam.

Table 4.10 summarizes the behavior of Storage AE when receiving response status codes.

Table 4.10
STORAGE COMMITMENT N-ACTION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The system waits for the N-Event-Report.
*	*	Any other status code.	The commit status remains incomplete for all objects.

Table 4.11 summarizes the behavior of Storage AE during communication failure.

Table 4.11
STORAGE COMMITMENT COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	Same as non-success status in Table 4.10.
Association aborted by the SCP or network layers	Same as non-success status in Table 4.10.

The Storage AE will request storage commitment using the attributes described in Table 4.12.

Table 4.12
STORAGE COMMITMENT N-ACTION-REQUEST MESSAGE CONTENTS

Action Type Name	Action Type ID	Attribute	Tag	Requirement Type SCU
Request Storage Commitment	1	Transaction UID	(0008,1195)	1
		Storage Media File-Set ID	(0088,0130)	3
		Storage Media File-Set UID	(0088,0140)	3
		Referenced SOP Sequence	(0008,1199)	1
		>Referenced SOP Class UID	(0008,1150)	1
		>Referenced SOP Instance UID	(0008,1155)	1
		>Storage Media File-Set ID	(0088,0130)	3
		>Storage Media File-Set UID	(0088,0140)	3

4.2.1.3.2 Activity – Query and Request Retrieval of Studies

4.2.1.3.2.1 Description and Sequencing of Activities

The user may set a filter in Review to specify the criteria used in querying the Query/Retrieve SCP. When the user initiates the query, the system sends a number of Study Root C-FIND requests, using the filter parameters set by the user. The user may then select from the query results one or more of the studies to initiate a Study Root C-MOVE request for the selected exam(s).

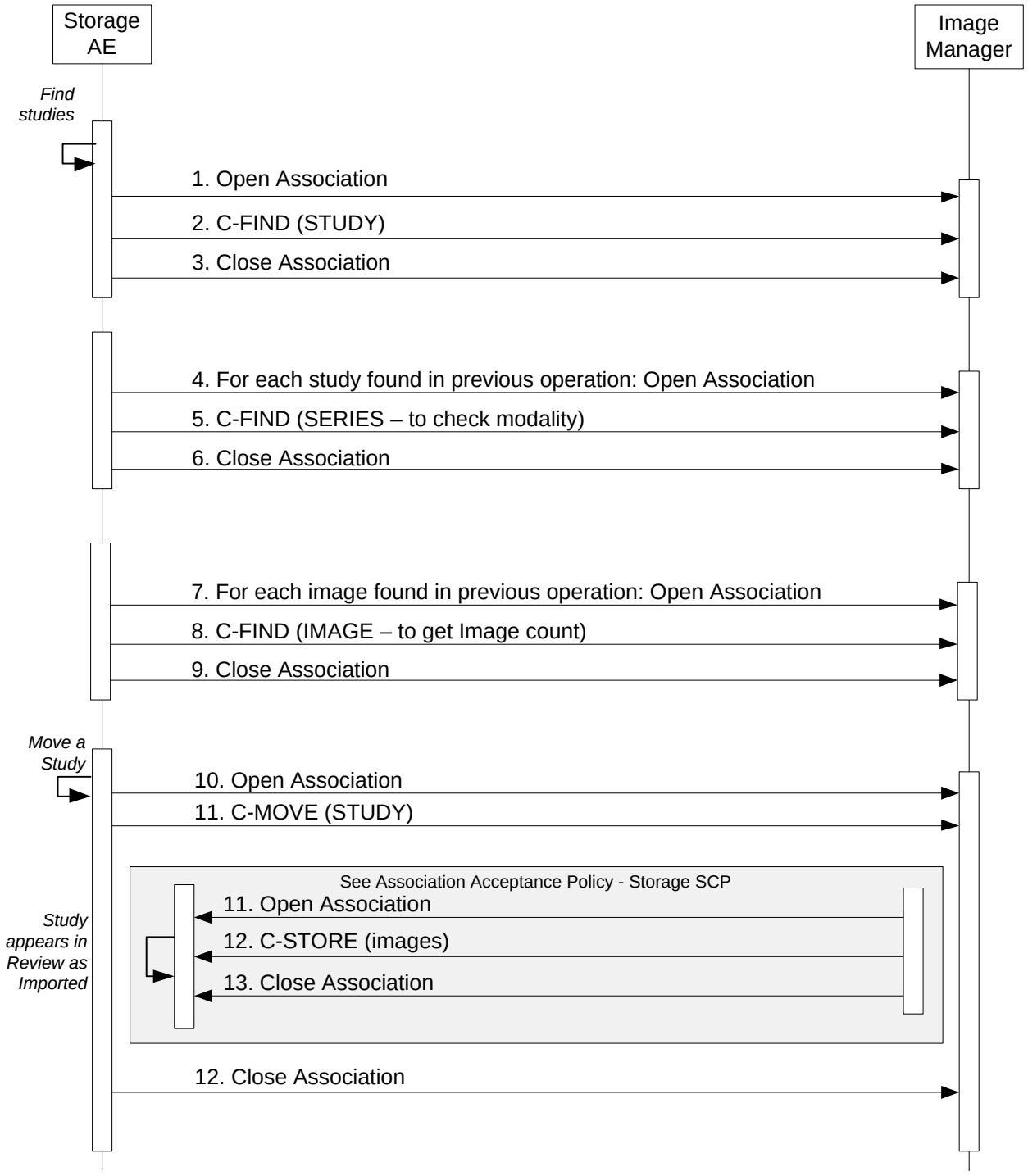


Figure 4
QUERY/RETRIEVE SEQUENCE DIAGRAM

4.2.1.3.2.2 Proposed Presentation Contexts

Table 4.13
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY QUERY AND RETRIEVE

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Study Root Query/Retrieve (C-FIND)	1.2.840.10008.5.1.4.1.2.2.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
Study Root Query/Retrieve (C-MOVE)	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

4.2.1.3.2.3 SOP Specific Conformance for SOP Classes

4.2.1.3.2.3.1 Study Root Query Retrieve – FIND SOP Class

Table 4.14
QUERY/RETRIEVE MESSAGE CONTENTS

Request Type	Attribute	Tag	Value
C-FIND	Query/Retrieve Level	(0008,0052)	STUDY, SERIES, IMAGE
	Modality	(0008,0060)	User Set, US by default
	Patient Name	(0010,0010)	User Set, Wildcard ('*') by default
	Patient ID	(0010,0020)	User Set or empty
	Accession Number	(0008,0050)	User Set or empty
	Study Date	(0008,0020)	User Set, available as date range

The system actually performs a number of C-FIND requests at multiple levels in the DICOM object hierarchy to get the data it requires to display a study. The "message" displayed above is the effective combination of the C-FIND requests that are made to get the data in the next table (below).

Table 4.15
C-FIND MESSAGE RESULTS (ATTRIBUTES) REQUESTED

Attribute	Tag
Study Date	(0008,0020)
Study Time	(0008,0030)
Accession Number	(0008,0050)
Modality	(0008,0060)
Patient Name	(0010,0010)

Patient ID	(0010,0020)
Study Instance UID	(0020,000D)
Series Instance UID	(0020,000E)
Study ID	(0020,0010)

4.2.1.3.2.3.2 Study Root Query Retrieve – MOVE SOP Class

After examining the results of the user-initiated Query, the user may select one or more Studies from the query results list and request that the contents of the selected Studies be retrieved. A C-MOVE message is sent to the Query/Retrieve SCP requesting that the selected items be stored back to this system.

Table 4.16
QUERY/RETRIEVE MESSAGE CONTENTS

Request Type	Attribute	Tag	Value
C-MOVE	Query/Retrieve Level	(0008,0052)	STUDY
	Study Instance UID	(0020,000D)	(Study UID to Send)

4.2.1.4 Association Acceptance Policy

4.2.1.4.1 Activity – Receive Storage Commitment Response

4.2.1.4.1.1 Description and Sequencing of Activities

The Storage AE accepts associations for pending responses to a Storage Commitment Request only using SCP/SCU Role Negotiation; explicitly stating that the association is initiated by the SCP to the SCU.

4.2.1.4.1.2 Accepted Presentation Contexts

Table 4.17summarizes Presentation Contexts that the Storage AE accepts.

Table 4.17
ACCEPTABLE PRESENTATION CONTEXTS FOR
ACTIVITY RECEIVE STORAGE COMMITMENT RESPONSE

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name List	UID List		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

4.2.1.4.1.3 SOP Specific Conformance for Storage Commitment Push Model SOP Class

4.2.1.4.1.3.1 Storage Commitment Notifications (N-EVENT-REPORT)

The Storage AE can receive an N-EVENT-REPORT notification received from the SCP via an associtation requested by the SCP with reverse-role negotiation.

Upon receipt of an N-EVENT-REPORT the timer associated with the Transaction UID will be canceled. Table 4.18 summarizes the behavior of Storage AE when receiving Event Types within the N-EVENT-REPORT.

Table 4.18
STORAGE COMMITMENT N-EVENT-REPORT BEHAVIOR

Event Type Name	Event Type ID	Behavior
Storage Commitment Request Successful	1	The commit status is set to complete for each object.
Storage Commitment Request Complete – Failures Exist	2	The commit status remains incomplete. The commit comment for each object is logged.

The reasons for returning specific status codes in a N-EVENT-REPORT response are summarized in Table 4.19.

Table 4.19
STORAGE COMMITMENT N-EVENT-REPORT RESPONSE STATUS REASONS

Service Status	Further Meaning	Error Code	Reasons
Success	Success	0000	The storage commitment result has been successfully received.

4.2.1.4.1.3.2 Storage Commitment Attributes (N-EVENT-REPORT)

Table 4.20 lists the attributes that are supported within the N-EVENT-REPORT.

Table 4.20
STORAGE COMMITMENT N-EVENT-REPORT MESSAGE CONTENTS

Event Type Name	Event Type ID	Attribute	Tag	Requirement Type SCU
Storage Commitment Request Successful	1	Transaction UID	(0008,1195)	None
		Retrieve AE Title	(0008,0054)	None
		Storage Media File-Set ID	(0088,0130)	None
		Storage Media File-Set UID	(0088,0140)	None
		Referenced SOP Sequence	(0008,1199)	None
		>Referenced SOP Class UID	(0008,1150)	None
		>Referenced SOP Instance UID	(0008,1155)	None
		>Retrieve AE Title	(0008,0054)	None
		>Storage Media File-Set ID	(0088,0130)	None
		>Storage Media File-Set UID	(0088,0140)	None
Storage	2	Transaction UID	(0008,1195)	None

Commitment Request Complete – Failures Exist		Retrieve AE Title	(0008,0054)	None
		Storage Media File-Set ID	(0088,0130)	None
		Storage Media File-Set UID	(0088,0140)	None
		Referenced SOP Sequence	(0008,1199)	None
		>Referenced SOP Class UID	(0008,1150)	None
		>Referenced SOP Instance UID	(0008,1155)	None
		>Retrieve AE Title	(0008,0054)	None
		>Storage Media File-Set ID	(0088,0130)	None
		>Storage Media File-Set UID	(0088,0140)	None
		Failed SOP Sequence	(0008,1198)	None
		>Referenced SOP Class UID	(0008,1150)	None
		>Referenced SOP Instance UID	(0008,1155)	None
		>Failure Reason	(0008,1197)	None

4.2.1.4.2 Activity – Storage from a Remote Storage SCU

4.2.1.4.2.1 Description and Sequencing of Activities

The Storage AE accepts associations for storage from remote Storage SCUs. There are two distinct scenarios in which images are transferred from a remote Storage SCU to EPIQ:

- Fullment of a Query/Retrieve C-MOVE request by the Query/Retrieve SCP
- Unsolicited push of images from a remote Storage SCU

In order for EPIQ to accept associations from a remote Storage SCU, the AE Title of the remote Storage SCU must be configured as a Storage device in EPIQ. Studies of images that are received through this mechanism will appear in the Patient Directory.

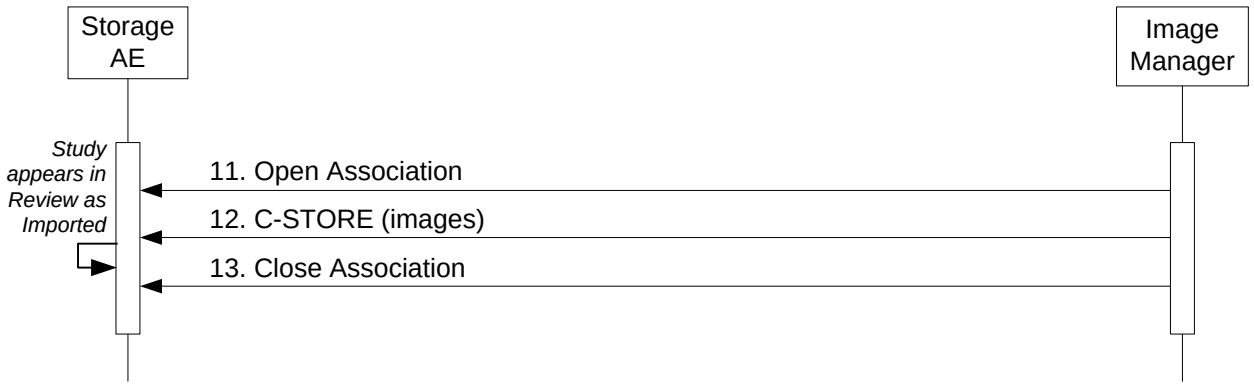


Figure 5
STORAGE FROM REMOTE STORAGE SCU SEQUENCE DIAGRAM

4.2.1.4.2.2 Accepted Presentation Contexts

Table 4.21 summarizes Presentation Contexts that the Storage AE accepts for this activity.

Table 4.21
ACCEPTABLE PRESENTATION CONTEXTS FOR ACTIVITY STORAGE FROM A REMOTE SCU

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.5	SCP	None
US Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.5	SCP	None
US Multiframe Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5	SCP	None
US Multiframe Image Storage (retired)	1.2.840.10008.5.1.4.1.1.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5	SCP	None
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.5	SCP	None
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5	SCP	None
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCP	None
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCP	None

Digital Mammography X-Ray Image Storage – For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCP	None
Digital Mammography X-Ray Image Storage – For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCP	None
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCP	None
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCP	None
MR Spectroscopy Image Storage	1.2.840.10008.5.1.4.1.1.4.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70	SCP	None
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	None
Multi-frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.5	SCP	None
Multi-frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.5	SCP	None
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70	SCP	None
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70	SCP	None
Private 3D Presentation State	1.3.46.670589.2.5.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	None

4.2.2 Workflow Application Entity Specification

4.2.2.1 SOP Classes

EPIQ provides Standard Conformance to the following SOP Classes:

Table 4.22
SOP CLASSES FOR AE WORKFLOW

SOP Class Name	SOP Class UID	SCU	SCP
MWL Information Model – FIND	1.2.840.10008.5.1.4.31	Yes	No
Modality Performed Procedure Step	1.2.840.10008.3.1.2.3.3	Yes	No

4.2.2.2 Association Establishment Policy

4.2.2.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.23
DICOM APPLICATION CONTEXT FOR AE WORKFLOW

Application Context Name	1.2.840.10008.3.1.1.1

4.2.2.2.2 Number of Associations

EPIQ initiates one Association at a time for a Worklist request.

Table 4.24
NUMBER OF ASSOCIATIONS INITIATED FOR AE WORKFLOW

Maximum number of simultaneous Associations	1

4.2.2.2.3 Asynchronous Nature

EPIQ does not support asynchronous communication.

Table 4.25
ASYNCHRONOUS NATURE AS A SCU FOR AE WORKFLOW

Maximum number of outstanding asynchronous transactions	1

4.2.2.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.26
DICOM IMPLEMENTATION CLASS AND VERSION FOR AE WORKFLOW

Implementation Class UID	1.3.46.670589.5.2.10
Implementation Version Name	MIP10.1RC2

4.2.2.3 Association Initiation Policy

4.2.2.3.1 Activity – Worklist Update

4.2.2.3.1.1 Description and Sequencing of Activities

The Worklist Update activity is capable of updating the modality worklist using either a Broad Query or a Patient Query, as described later in this section. A possible sequence of interactions between the Workflow AE and a Departmental Scheduler (e.g. a device such as a RIS or HIS which supports the MWL SOP Class as an SCP) is illustrated in Figure 5:

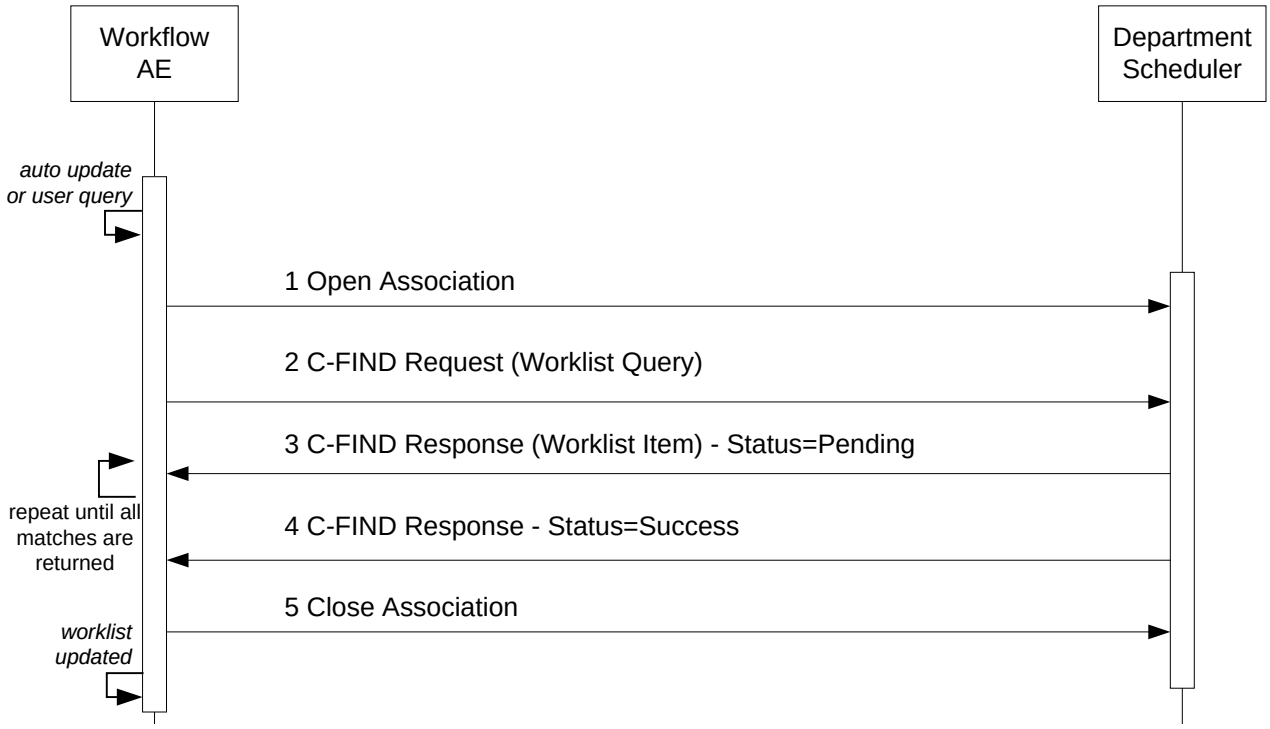


Figure 5
SEQUENCING OF ACTIVITY – WORKLIST UPDATE

4.2.2.3.1.1.1 Worklist Update using Broad Query

In Broad Query, the Modality Worklist SCP is queried based on a set of pre-defined query attributes (see Table 4.30 Column “BQ” for DICOM Attributes corresponding to each parameter):

- Scheduled Date = today’s date
- Station Name = this system’s name or a user-specified value
- Station Location = this system’s location or a user-specified value
- AE Title = this system’s AE Title or a user-specified value

- Modality = “US” or a user- specified value

The user may configure one of the following schemes for updating the worklist using Broad Query:

- The worklist may be updated when the user presses “Update Worklist” on the patient data entry screen
- The worklist may be updated automatically each time an exam is ended
- The worklist may be updated periodically at a configurable time interval between 15 and 120 minutes in 15 minute increments

The user at may cancel a worklist update anytime between sending the update request and receiving the final response.

4.2.2.3.1.1.2 Worklist Update using Patient Query

In Patient Query, the Modality Worklist SCP is queried based on a set of query attributes provided by the user at the time of the query (see Table 4.30 Column “PQ” for DICOM Attributes corresponding to each parameter):

- Modality = “US” or the custom value defined for Broad Query
- Any combination of
  - Patient Last Name = wildcard or matching leading letters
  - Patient ID = exact match
  - Accession Number = exact match
  - Requested Procedure ID = exact match
  - Scheduled Date = exact match or matching a date range around today

Patient Query is performed manually when specifically requested by the user. The user at may cancel a worklist update anytime between sending the update request and receiving the final response.

4.2.2.3.1.2 Proposed Presentation Contexts

EPIQ will propose Presentation Contexts as shown in the following table:

Table 4.27
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY WORKLIST UPD

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Modality Worklist Information Model – FIND	1.2.840.10008.5.1.4.31	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

4.2.2.3.1.3 SOP Specific Conformance for Modality Worklist

Table 4.28 summarizes the behavior of EPIQ when encountering status codes in a MWL C-FIND response.

A message “query failed” will appear on the user interface if EPIQ receives any other SCP response status than “Success” or “Pending.”

Table 4.28
MODALITY WORKLIST C-FIND RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Matching is complete	0000	The system replaced the worklist from the response.

Service Status	Further Meaning	Error Code	Behavior
Refused	Out of Resources	A700	The Association is aborted using A-ABORT. The worklist is not replaced.
Failed	Identifier does not match SOP Class	A900	Same as “Refused” above.
Failed	Unable to Process	C000 – CFFF	Same as “Refused” above.
Cancel	Matching terminated due to Cancel request	FE00	The retrieved items are ignored.
Pending	Matches are continuing	FF00	Continue.
Pending	Matches are continuing – Warning that one or more Optional Keys were not supported	FF01	Continue.
*	*	Any other status code.	Same as “Refused” above.

Table 4.29 summarizes the behavior of EPIQ during communication failure.

Table 4.29
MODALITY WORKLIST COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	Same as Service Status “Refused” in the table above.
Association aborted by the SCP or network layers	Same as Service Status “Refused” in the table above.

Table 4.30 describes the EPIQ Worklist Matching Keys and requested attributes. Unexpected attributes returned in a C-FIND response are ignored.

Non-matching responses returned by the SCP due to unsupported optional matching keys are ignored.

Table 4.30
WORKLIST MATCHING KEYS

Module Name Attribute Name	Tag	VR	BQ	PQ	R	D	IOD
SOP Common							
Specific Character Set	(0008,0005)	CS			x		
Scheduled Procedure Step							
Scheduled Procedure Step Sequence	(0040,0100)	SQ			x		x
> Scheduled Station AE Title	(0040,0001)	AE	(S)		x		
> Scheduled Procedure Step Start Date	(0040,0002)	DA	S	x	x	x	
> Scheduled Procedure Step Start Time	(0040,0003)	TM			x	x	
> Modality	(0008,0060)	CS	S, (S)		x		x
> Scheduled Procedure Step Description	(0040,0007)	LO			x		(x)
> Scheduled Protocol Code Sequence	(0040,0008)	SQ			x		(x)
> Scheduled Station Name	(0040,0010)	SH	(S)		x		
> Scheduled Procedure Step Location	(0040,0011)	SH	(S)		x		(x)
> Scheduled Procedure Step ID	(0040,0009)	SH			x		x
> Requested Contrast Agent	(0032,1070)	LO			x		
Requested Procedure							
Requested Procedure ID	(0040,1001)	SH		x	x		x*
Reason for the Requested Procedure	(0040,1002)	LO			x		
Requested Procedure Description	(0032,1060)	LO			x	x	x
Study Instance UID	(0020,000D)	UI			x		x
Referenced Study Sequence	(0008,1110)	SQ			x		x
Requested Procedure Code Sequence	(0032,1064)	SQ			x		x
Names of Intended Recipients of Results	(0040,1010)	PN			x		x
Imaging Service Request							
Accession Number	(0008,0050)	SH		x	x	x	x
Requesting Physician	(0032,1032)	PN			x		x
Reason for the Imaging Service Request (ret.)	(0040,2001)	LO			x		
Visit Relationship							
Referenced Patient Sequence	(0008,1120)	SQ			x		
Visit Admission							
Referring Physician's Name	(0008,0090)	PN			x	x	x
Patient Identification							
Patient's Name	(0010,0010)	PN		x	x	x	x
Patient ID	(0010,0020)	LO		x	x	x	x
Other Patient IDs	(0010,1000)	LO			x		x
Patient Demographic							
Patient's Birth Date	(0010,0030)	DA			x	x	x
Patient's Sex	(0010,0040)	CS			x	x	x
Patient Size	(0010,1020)	DS			x	x	x
Ethnic Group	(0010,2160)	SH			x		x
Patient's Weight	(0010,1030)	DS			x	x	x
Patient Comments*	(0010,4000)	LT			x	x	x
Patient Medical							
Medical Alerts	(0010,2000)	LO			x		x
Additional Patient's History	(0010,21B0)	LT			x		x
Pregnancy Status	(0010,21C0)	US			x		x
Last Menstrual Date	(0010,21D0)	DA			x		
Special Needs	(0038,0050)	LO			x		

X* = Additionally mapped to “Study ID” (0020,0010) in Composite Objects

* Note: Patient Comments originating from modality worklist patients are not exported on exams consisting entirely of loop images.

The above table should be read as follows:

Module Name:	The name of the associated module for supported worklist attributes.
Attribute Name:	Attributes supported to build a Worklist Request Identifier.
Tag:	DICOM tag for this attribute.
VR:	DICOM VR for this attribute.
BQ:	Matching keys for Broad Query Worklist Update. An "S" indicates that EPIQ supplies an attribute value for Single Value Matching or additional specific attributes indicated by “(S)”. Criteria are specified in PSC Network/DICOM DICOM Settings, Worklist device, Advanced Settings dialog.
PQ:	Interactive Query Key for Patient Query Worklist Update. An “x” indicates that EPIQ supplies this attribute as matching key. Criteria are specified in the Search dialog accessed from Patient Data Entry screen Worklist tab.
R:	Return keys. An "x" indicates that EPIQ supplies this attribute as a Return Key with zero length for Universal Matching.
D:	Displayed keys. An “x” indicates that this worklist attribute is displayed to the user in the Patient Data Entry screen or Worklist Directory.
IOD:	An "x" indicates that this Worklist attribute is included into all Object Instances created during performance of the related Procedure Step.

4.2.2.3.2 Activity –Acquire Images

4.2.2.3.2.1 Description and Sequencing of Activities

An Association to the configured MPPS SCP system is established immediately after the first image is acquired to send the MPPS N-CREATE message with status of “IN PROGRESS”.

The “End Exam” button causes a “COMPLETED” status in the N-SET message. An exam for which an MPPS Instance is sent with a status of “COMPLETED” can no longer be updated.

The “Cancel Exam” button causes a “DISCONTINUED” message. An exam for which an MPPS Instance is sent with a state of “DISCONTINUED” can also no longer be updated.

The system supports creation of “unscheduled cases” by allowing MPPS Instances to be communicated for locally registered Patients.

The system performs a single Performed Procedure Step at a time per Scheduled Procedure Step.

EPIQ will initiate an Association to issue an:

— N-CREATE request according to the Create Modality Performed Procedure Step SOP Instance operation or a
— N-SET request to finalize the contents and state of the MPPS according to the Set Modality Performed Procedure Step Information operation.

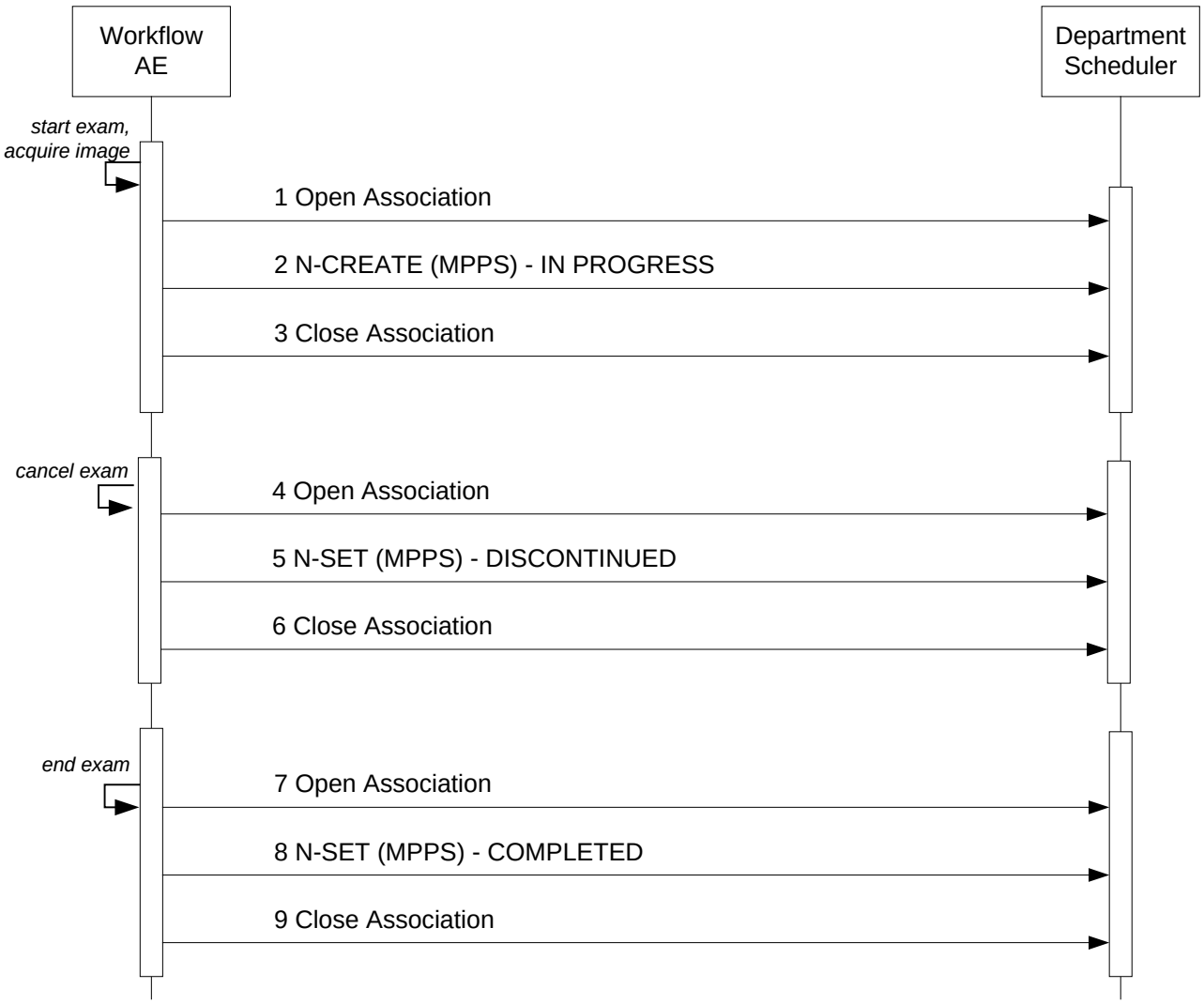


Figure 6
SEQUENCING OF ACTIVITY – ACQUIRE IMAGES

A possible sequence of interactions between the Workflow AE and a Departmental Scheduler (e.g. a device such as a RIS or HIS which supports the MPPS SOP Class as an SCP) is illustrated in Figure 6.

Note: The Cancel and End Exam commands are mutually exclusive. They are both represented here for illustration purposes only. Actual workflow uses one or the other for a given exam.

4.2.2.3.2.2 Proposed Presentation Contexts

EPIQ will propose Presentation Contexts as shown in the following table:

Table 4.31
PROPOSED PRESENTATION CONTEXTS FOR REAL-WORLD ACTIVITY ACQUIRE IMAGES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Modality Performed Procedure Step	1.2.840.10008.3.1.2.3.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

4.2.2.3.2.3 SOP Specific Conformance for MPPS

Table 4.32 summarizes the behavior of EPIQ when encountering status codes in an MPPS N-CREATE or N–SET response.

Table 4.32
MPPS N-CREATE / N-SET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Failure	Processing Failure – Performed Procedure Step Object may no longer be updated	0110	The Association is aborted.
Warning	Attribute Value Out of Range	0116H	The error message is displayed.
*	*	Any other status code.	Same as “Failure” above.

Table 4.33 summarizes the behavior of EPIQ during communication failure.

Table 4.33
MPPS COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	Same as “Failure” above.
Association aborted by the SCP or network layers	Same as “Failure” above.

Table 4.34 provides a description of the MPPS N-CREATE and N-SET request identifiers. Empty cells in the N-CREATE and N-SET columns indicate that the attribute is not sent.

Table 4.34
MPPS N-CREATE / N-SET REQUEST IDENTIFIER

Attribute Name	Tag	VR	N-CREATE	N-SET
Specific Character Set	(0008,0005)	CS	Not Sent	
Modality	(0008,0060)	CS	US	
Referenced Patient Sequence	(0008,1120)	SQ		
> Referenced SOP Class UID	(0008,1150)	UI		

Attribute Name	Tag	VR	N-CREATE	N-SET
>Referenced SOP Instance UID	(0008,1155)	UI		
Patient's Name	(0010,0010)	PN	From Modality Worklist or user input.	
Patient ID	(0010,0020)	LO	From Modality Worklist or user input.	
Patient's Birth Date	(0010,0030)	DA	From Modality Worklist or user input.	
Patient's Sex	(0010,0040)	CS	From Modality Worklist or user input.	
Study ID	(0020,0010)	SH	From Requested Procedure ID from MWL, else System Generated <yyyymmdd.hhmmss>	
Performed Station AE Title	(0040,0241)	AE	From Ultrasound System Configuration; see 4.4.2	
Performed Station Name	(0040,0242)	SH	From Ultrasound System Configuration; see 4.4.2	
Performed Location	(0040,0243)	SH	From Ultrasound System Configuration; see 4.4.2	
Performed Procedure Step Start Date	(0040,0244)	DA	Actual start date	
Performed Procedure Step Start Time	(0040,0245)	TM	Actual start time	
Procedure Code Sequence	(0008,1032)	SQ	Mapped from Requested Procedure Code Sequence (0032,1064) from MWL	Mapped from Requested Procedure Code Sequence (0032,1064) from MWL
Performed Procedure Step End Date	(0040,0250)	DA	Zero length	Actual end date
Performed Procedure Step End Time	(0040,0251)	TM	Zero length	Actual end time
Performed Procedure Step Status	(0040,0252)	CS	IN PROGRESS	COMPLETED or DISCONTINUED
Performed Procedure Step ID	(0040,0253)	SH	Auto generated, or mapped from Requested Procedure ID from MWL	
Performed Procedure Step Description	(0040,0254)	LO	Study Description derived from MWL or user entered	Same
Performed Procedure Type Description	(0040,0255)	LO	Zero length	
Performed Protocol Code Sequence	(0040,0260)	SQ	Zero length OR corresponding to built-in Staged Protocols OR mapped from MWL Scheduled Protocol Code Sq (0040,0008)	Same

Attribute Name	Tag	VR	N-CREATE	N-SET
Scheduled Step Attributes Sequence	(0040,0270)	SQ		
> Accession Number	(0008,0050)	SH	From MWL or user entered. MWL value may be edited.	
> Referenced Study Sequence	(0008,1110)	SQ	One item per item in the MWL Reference Study Sequence. Absent if unscheduled.	
>> Referenced SOP Class UID	(0008,1150)	UI	Same value as in of the Reference Study Sequence in the MWL	
>> Referenced SOP Instance UID	(0008,1155)	UI	Same value as in of the Reference Study Sequence in the MWL	
> Study Instance UID	(0020,000D)	UI	Same value as in MWL attribute or system generated	
> Requested Procedure Description	(0032,1060)	LO	Same value as in MWL attribute	
> Scheduled Procedure Step Description	(0040,0007)	LO	Same value as in MWL attribute	
> Scheduled Protocol Code Sequence	(0040,0008)	SQ	Same value as in MWL attribute	
> Scheduled Procedure Step ID	(0040,0009)	SH	Same value as in MWL attribute	
> Requested Procedure ID	(0040,1001)	SH	Same value as in MWL attribute	
Performed Series Sequence	(0040,0340)	SQ	Zero length	One item per acquired series
> Retrieve AE Title	(0008,0054)	AE		
> Series Description	(0008,103E)	LO		Study Description derived from MWL or user entered
> Performing Physician's Name	(0008,1050)	PN		See Table 8.9
> Operator's Name	(0008,1070)	PN		See Table 8.9
> Referenced Image Sequence	(0008,1140)	SQ		One item per referenced image instance
>> Referenced SOP Class UID	(0008,1150)	UI		SOP Class UID of acquired instance
>> Referenced SOP Instance UID	(0008,1155)	UI		SOP Instance UID of acquired instance
> Protocol Name	(0018,1030)	LO		See Table 8.9
> Series Instance UID	(0020,000E)	UI		System generated
> Referenced Non-Image Composite SOP Instance Sequence	(0040,0220)	SQ		One item per referenced non-image instance

Attribute Name	Tag	VR	N-CREATE	N-SET
>> Referenced SOP Class UID	(0008,1150)	UI		SOP Class UID of acquired instance
>> Referenced SOP Instance UID	(0008,1155)	UI		SOP Instance UID of acquired instance

4.2.2.4 Association Acceptance Policy

The Workflow Application Entity does not accept Associations.

4.2.3 Hardcopy Application Entity Specification

4.2.3.1 SOP Classes

EPIQ provides Standard Conformance to the following SOP Classes:

Table 4.35
SOP CLASSES FOR AE HARDCOPY

SOP Class Name	SOP Class UID	SCU	SCP
Basic Grayscale Print Management Meta	1.2.840.10008.5.1.1.9	Yes	No
Basic Color Print Management Meta	1.2.840.10008.5.1.1.18	Yes	No

4.2.3.2 Association Establishment Policy

4.2.3.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.36
DICOM APPLICATION CONTEXT FOR AE HARDCOPY

Application Context Name	1.2.840.10008.3.1.1.1

4.2.3.2.2 Number of Associations

EPIQ initiates one Association at a time for each configured hardcopy device. Multiple hardcopy devices can be configured.

Table 4.37
NUMBER OF ASSOCIATIONS INITIATED FOR AE HARDCOPY

Maximum number of simultaneous Associations	2 (number of configured hardcopy devices)

4.2.3.2.3 Asynchronous Nature

EPIQ does not support asynchronous communication (multiple outstanding transactions over a single Association).

Table 4.38
ASYNCHRONOUS NATURE AS A SCU FOR AE HARDCOPY

Maximum number of outstanding asynchronous transactions	1

4.2.3.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.39
DICOM IMPLEMENTATION CLASS AND VERSION FOR AE HARDCOPY

Implementation Class UID	1.3.46.670589.5.2.10
Implementation Version Name	MIP10.1RC2

4.2.3.3 Association Initiation Policy

4.2.3.3.1 Activity – Film Images

4.2.3.3.1.1 Description and Sequencing of Activities

The system composes images onto film sheets and sends print requests to job queue.

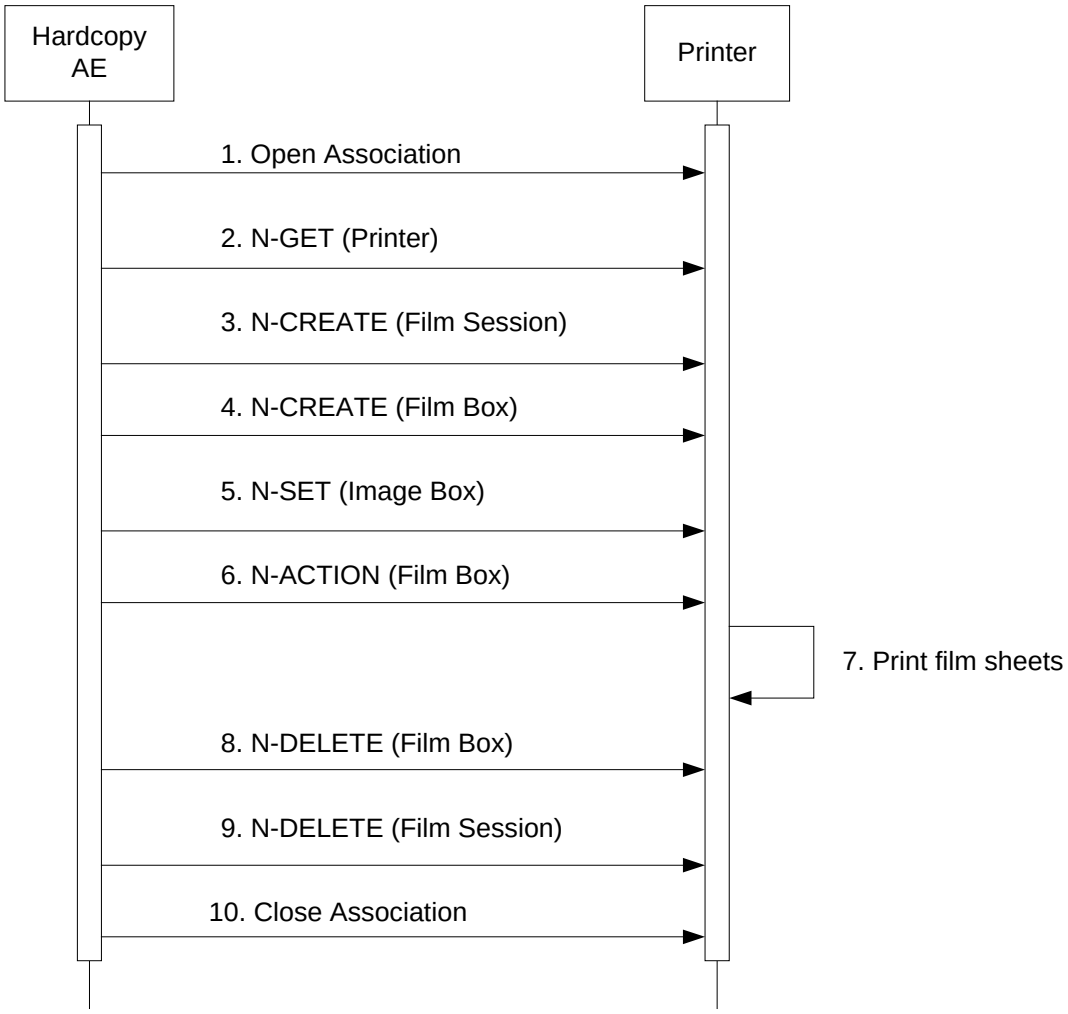


Figure 7
SEQUENCING OF ACTIVITY – PRINT IMAGES

Figure 7 illustrates a typical sequence of DIMSE messages sent over an association between Hardcopy AE and a Printer. Two DICOM Printers may be simultaneously configured, one for BW and one for Color prints.

If both BW and Color printers are configured and selected, the user may choose to automatically send BW prints only to the BW printer and color prints only to the color printer. This feature may only be used while configured for “After Each Image”, and during the exam

When using the “Send on Demand” feature with print, page(s) that have not been exported will be sent, according to the formatting configuration. If less than a full page is sent, then the remaining space on the page will be left blank.

Status of the print-job is reported through the Printer Queue Manager icon. Only one job will be active at a time for each separate hardcopy device. If any Response from the remote Application contains a status other than Success, the Association is aborted and the related Job is switched to a failed state. It can be restarted any time by user interaction.

4.2.3.3.1.2 Proposed Presentation Contexts

Table 4.40 shows the Presentation Contexts EPIQ is capable of proposing.

Table 4.40
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY FILM IMAGES

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Basic Grayscale Print Management Meta	1.2.840.10008.5.1.1.9	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None
Basic Color Print Management Meta	1.2.840.10008.5.1.1.18	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

4.2.3.3.1.3 SOP Specific Conformance for all Print SOP Classes

Table 4.41 summarizes the general behavior of all Hardcopy AE during communication failure. This behavior is common for all SOP Classes supported by Hardcopy AE.

Table 4.41
COMMUNICATION FAILURE BEHAVIOR

Exception	Behavior
Timeout	The Association is aborted and reported as “Failed.”
Association aborted by the SCP or network layers	”Network Communication Failure” is reported.

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.3.3.1.3.1 Printer SOP Class Operations (N-GET)

Hardcopy AE uses the Printer SOP Class N-GET operation to obtain information about the current printer status. Table 4.42 lists the attributes obtained via N-GET.

Table 4.42
PRINTER SOP CLASS N-GET RESPONSE ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Printer Status	(2110,0010)	CS	Provided by Printer	ALWAYS	Printer
Printer Status Info	(2110,0020)	CS	Provided by Printer	ALWAYS	Printer

The Printer Status information is evaluated as follows:

1. If Printer status (2110,0010) is NORMAL, the print-job continues to be printed.
2. If Printer status (2110,0010) is FAILURE, the print-job is marked as failed.
3. If Printer status (2110,0010) is WARNING, the print-job continues to be printed.

Table 4.43 summarizes the behavior of Hardcopy AE when encountering status codes in a N-GET response.

Table 4.43
PRINTER SOP CLASS N-GET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The request to get printer status information was success.
*	*	Any other status code.	Same as Timeout above.

4.2.3.3.1.3.2 Printer SOP Class Notifications (N-EVENT-REPORT)

Hardcopy AE is capable of receiving an N-EVENT-REPORT request at any time during an association.

Table 4.44 summarizes the behavior of Hardcopy AE when receiving Event Types within the N-EVENT-REPORT.

Table 4.44
PRINTER SOP CLASS N-EVENT-REPORT BEHAVIOUR

Event Type Name	Event Type ID	Behavior
Normal	1	The print-job continues to be printed.
Warning	2	The print-job. For user-recoverable warnings, the job fails and a 1-hour retry period starts, retrying every 20 seconds.
Failure	3	The print-job is marked as failed.
*	*	Status code of 0113H

Table 4.45 summarizes the reasons for returning specific status codes in a N-EVENT-REPORT response.

Table 4.45
PRINTER SOP CLASS N-EVENT-REPORT RESPONSE STATUS REASONS

Service Status	Further Meaning	Error Code	Reasons
Success	Success	0000	The notification event has been successfully received.
Failure	No Such Event Type	0113H	An invalid Event Type ID was supplied in the N-EVENT-REPORT request.
Failure	Processing Failure	0110H	An internal error occurred during processing of the N-EVENT-REPORT. A short description of the error will be returned in Error Comment (0000,0902).

4.2.3.3.1.3.3 SOP Specific Conformance for the Film Session SOP Class

Hardcopy AE supports the following DIMSE operations for the Film Session SOP Class:

— N-CREATE

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.3.3.1.3.4 Film Session SOP Class Operations (N-CREATE)

Table 4.46 lists the attributes supplied in an N-CREATE Request.

Table 4.46
FILM SESSION SOP CLASS N-CREATE REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Number of Copies	(2000,0010)	IS	Default 1. User defined in Device Configuration.	ALWAYS	USER
Print Priority	(2000,0020)	CS	HIGH	ALWAYS	AUTO
Medium Type	(2000,0030)	CS	BLUE FILM, CLEAR FILM or PAPER*	ALWAYS	USER
Film Destination	(2000,0040)	CS	MAGAZINE or PROCESSOR*	ALWAYS	USER
Film Session Label	(2000,0050)	LO	Philips Medical Systems	ALWAYS	AUTO

*Depend ent on the specific printer selected

Table 4.47 summarizes the behavior of Hardcopy AE when encountering status codes in a N-CREATE response.

Table 4.47
FILM SESSION SOP CLASS N-CREATE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Warning	Attribute Value Out of Range	0116H	System continues operations.
Warning	Attribute List Error	0107H	Same as above.
*	*	Any other status code.	The Association is aborted and the print-job fails.

4.2.3.3.1.4 SOP Specific Conformance for the Film Box SOP Class

Hardcopy AE supports the following DIMSE operations for the Film Box SOP Class:

— N-CREATE
— N-ACTION

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.3.3.1.4.1 Film Box SOP Class Operations (N-CREATE)

Table 4.48 lists the attributes supplied in an N-CREATE Request.

Table 4.48
FILM BOX SOP CLASS N-CREATE REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Display Format	(2010,0010)	ST	STANDARD\1,1 [2] or CUSTOM\xxx depending on printer. Default is displayed, and is user editable. Edit only when a valid substitute value is known.	ALWAYS	AUTO/USER
Referenced Film Session Sequence	(2010,0500)	SQ		ALWAYS	AUTO
>Referenced SOP Class UID	(0008,1150)	UI	1.2.840.10008.5.1.1.1	ALWAYS	AUTO
>Referenced SOP Instance UID	(0008,1155)	UI	From created Film Session SOP Instance	ALWAYS	AUTO
Film Orientation	(2010,0040)	CS	PORTRAIT or LANDSCAPE	ALWAYS	USER
Film Size ID	(2010,0050)	CS	Depends on configuration file selected. DICOM Defined Terms plus US_Letter.	ALWAYS	USER
Magnification Type	(2010,0060)	CS	Default Value = NONE, depending on printer	ANAP	AUTO
Min Density	(2010,0120)	US	Default value displayed, user editable	ALWAYS	AUTO/USER
Max Density	(2010,0130)	US	Default value displayed, user editable	ALWAYS	AUTO/USER
Trim	(2010,0140)	CS	NO	ALWAYS	AUTO
Configuration Information	(2010,0150)	ST	Default value displayed, user editable. Edit only when a valid substitute value is known.	ALWAYS	AUTO/USER

Table 4.49 summarizes the behavior of Hardcopy AE when encountering status codes in a N-CREATE response.

Table 4.49
FILM BOX SOP CLASS N-CREATE RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Warning	Requested Max Density outside of printer's operating range	B605H	The N-CREATE operation is considered successful but the status meaning is logged.
*	*	Any other status code.	The Association is aborted and the job failed.

[2] EPIQ performs page compositing of n-up prints (i.e., 2x2, 2,3, etc.) internally and prints the pages as a single Image Box per page; hence STANDARD\1,1

4.2.3.3.1.4.2 Film Box SOP Class Operations (N-ACTION)

The Hardcopy AE issues an N-ACTION Request to instruct the Print SCP to print the contents of the Film Box.

Table 4.50 summarizes the behavior of Hardcopy AE when encountering status codes in an N-ACTION response.

Table 4.50
FILM BOX SOP CLASS N-ACTION RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully. The film has been accepted for printing.
Warning	Film Box SOP Instance hierarchy does not contain Image Box SOP Instances (empty page)	B603H	The Association is aborted and the job is failed.
Failure	Unable to create Print Job SOP Instance; print queue is full.	C602	Same as B603H above.
*	*	Any other status code.	Same as B603H above.

4.2.3.3.1.5 SOP Specific Conformance for the Image Box SOP Class

Hardcopy AE supports the following DIMSE operations for the Image Box SOP Class:

— N-SET

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.3.3.1.5.1 Image Box SOP Class Operations (N-SET)

Table 4.51 lists the attributes supplied in an N-SET Request.

Table 4.51
IMAGE BOX SOP CLASS N-SET REQUEST ATTRIBUTES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Position	(2020,0010)	US	1	ALWAYS	AUTO
Polarity	(2020,0020)	CS	NORMAL	ALWAYS	AUTO
Basic Grayscale Image Sequence	(2020,0110)	SQ	Used for BW (Monochrome2) print	ALWAYS*	AUTO
Basic Color Image Sequence	(2020,0111)	SQ	Used for Color (RGB) print	ALWAYS*	AUTO
>Samples Per Pixel	(0028,0002)	US	1 for Monochrome2 3 for RGB	ALWAYS	AUTO
>Photometric Interpretation	(0028,0004)	CS	MONOCHROME2 RGB	ALWAYS	AUTO
Planar Configuration	(0028,0006)	US	Always “01”, only used for RGB print.	ANAP	AUTO

>Rows	(0028,0010)	US	Depends on film size, number of rows for entire sheet of film	ALWAYS	Printer Configuration File
>Columns	(0028,0011)	US	Depends on film size, number of columns for entire sheet of film	ALWAYS	Printer Configuration File
>Bits Allocated	(0028,0100)	US	8	ALWAYS	AUTO
>Bits Stored	(0028,0101)	US	8	ALWAYS	AUTO
>High Bit	(0028,0102)	US	7	ALWAYS	AUTO
>Pixel Representation	(0028,0103)	US	0	ALWAYS	AUTO
>Pixel Data	(7FE0,0010)	OW	Pixels of rendered film sheet.	ALWAYS	AUTO

* Mutually exclusive attributes

Table 4.52 summarizes the behavior of Hardcopy AE when encountering status codes in a N-SET response.

Table 4.52
IMAGE BOX SOP CLASS N-SET RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success	Success	0000	The SCP has completed the operation successfully.
Failure	Insufficient memory in printer to store the image.	C605	The Association is aborted and the job is failed.
*	*	Any other status code.	Same as C605 above.

4.2.3.4 Association Acceptance Policy

The Hardcopy Application Entity does not accept Associations.

4.2.4 Verification Application Entity specification

4.2.4.1 SOP Class

EPIQ provides Standard Conformance to the following SOP Class:

Table 4.53
SOP CLASSES FOR AE VERIFICATION

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	Yes	Yes

4.2.4.2 Association Establishment Policy

4.2.4.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 4.54
DICOM APPLICATION CONTEXT FOR AE VERIFICATION

Application Context Name	1.2.840.10008.3.1.1.1

4.2.4.2.2 Number of Associations

EPIQ initiates one Association at a time for a Verification request.

Table 4.55
NUMBER OF ASSOCIATIONS INITIATED FOR AE VERIFICATION

Maximum number of simultaneous Associations	Up to 10, one for each configured remote device

Table 4.56
NUMBER OF ASSOCIATIONS ACCEPTED FOR AE VERIFICATION

Maximum number of simultaneous Associations	Unlimited, however, calling AE must be already configured in EPIQ.

4.2.4.2.3 Asynchronous Nature

EPIQ does not support asynchronous communication (multiple outstanding transactions over a single Association).

Table 4.57
ASYNCHRONOUS NATURE AS A SCU FOR AE VERIFICATION

Maximum number of outstanding asynchronous transactions	1

4.2.4.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 4.58
DICOM IMPLEMENTATION CLASS AND VERSION FOR AE VERIFICATION

Implementation Class UID	1.3.46.670589.5.2.10
Implementation Version Name	MIP10.1RC2

4.2.4.3 Association Initiation Policy

4.2.4.3.1 Activity – Verify Remote SCP

4.2.4.3.1.1 Description and Sequencing of Activities

The user selecting the “Verify” button on the Device configuration page initiates the verification request to the device whose data has just been configured. This tool allows the user to ensure all data (AE Title, Port and IP Address) was correctly entered and the remote device may be contacted. It uses C-Echo and verifies the remote device supports all configured SOP Classes. Any SOP Classes requested that are not supported will report, “failed”. Operations may continue, but objects of the type that are not supported will not be exported.

EPIQ initiates an Association in order to issue:

— C-ECHO request according to the Verification SOP Class.

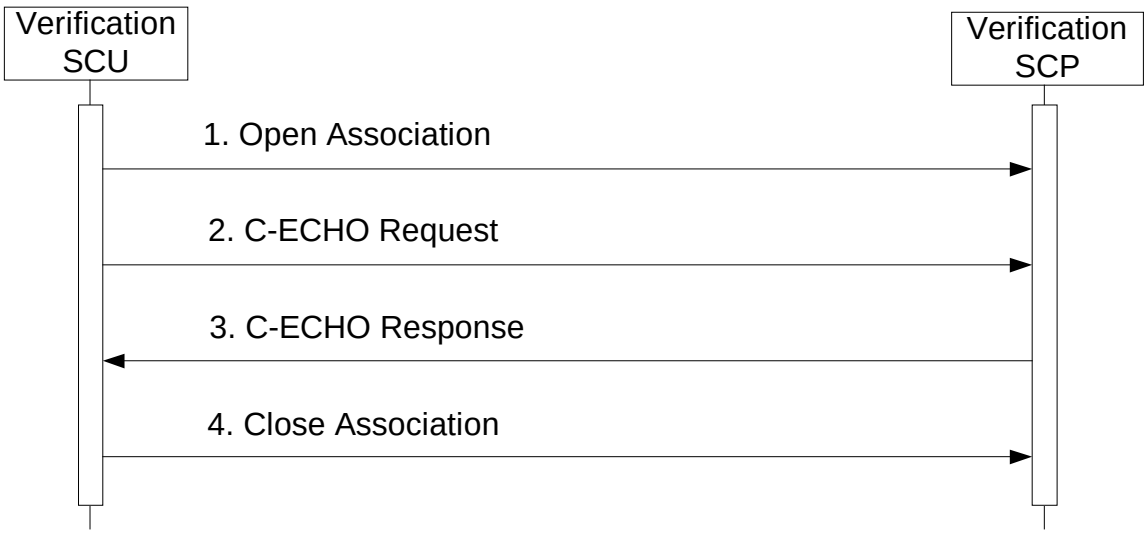


Figure 8a
SEQUENCING OF ACTIVITY – ISSUE VERIFY

4.2.4.3.1.2 Proposed Presentation Contexts

EPIQ will propose Presentation Contexts as shown in the following table:

Table 4.59
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY VERIFICATION

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Verification	1.2.840.10008.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	None

4.2.4.3.1.3 SOP Specific Conformance for Verification

When Verification of a remote AE is requested in PSC – Network/DICOM – DICOM Settings, the Association Negotiation Request message contents for each DICOM device will include Presentation Contexts for the following SOP Classes:

Table 4.60
SOP CLASS VERIFICATION BY DICOM DEVICE

Device Type	SOP Classes Requested	Additional Notes
DICOM Storage Server	US Image Storage US Image Storage (Retired) US Multiframe Storage US Multiframe Storage (Retired) All non-ultrasound image storage Philips Private 3D Presentation State Comprehensive SR Storage Storage Commitment Push Model Study Root Query Retrieve-FIND Study Root Query Retrieve-MOVE Verification	If SR is supported, then no other configuration is needed to allow SR to export. If SR export to a Storage Server is not desired, deselect Export SR after verification without verifying again. Storage Commitment requires configuration of both a Storage server and a Storage Commitment server, and association of the Storage server to the Storage Commitment server in the PSC – Network/DICOM – DICOM Selection page.
DICOM Commit Server	Storage Commitment Push Model Verification	Storage Commitment requires configuration of both a Storage server and a Storage Commitment server, and association of the Storage server to the Storage Commitment server in the PSC – Network/DICOM – DICOM Selection page.
DICOM PPS Server	Modality Performed Procedure Step Verification	To activate this server, it must be selected in the PSC – Network/DICOM – DICOM Selection page.
DICOM Worklist Server	Modality Worklist Verification	To activate this server, it must be selected in the PSC – Network/DICOM – DICOM Selection page.

DICOM Structured Report Server	Comprehensive Structured Report Storage Verification	Configuration of this device is only required if SRs are to be exported to a Storage SCP. To activate this server, it must be selected in the PSC – Network/DICOM – DICOM Selection page.
DICOM BW Printer	Basic Grayscale META Print Verification	All bw printers configure this entry. If the printer supports both BW and Color, then this must be configured to allow BW on that printer.
DICOM Color Printer	Basic Color META Print Verification	May be the same printer if color is also supported.

Table 4.61 summarizes the behavior of EPIQ when receiving status codes in a C-ECHO response.

Table 4.61
VERIFICATION C-ECHO RESPONSE STATUS HANDLING BEHAVIOR

Service Status	Further Meaning	Error Code	Behavior
Success		0000	Device Status is set to: Verified
Refused	Out of Resources	A700	Device Status is set to: Not Verified
Failed	Unable to Process	C000 – CFFF	Same as “Refused” above.
*	*	Any other status code.	Same as “Refused” above.

Results of a user-initiated Verify are reported as one of three outcomes:

- Successfully Verified – All SOP Classes proposed by EPIQ were accepted AND
- Verify Failed – Server could not be reached OR remote AE is not running OR no SOP Classes proposed by EPIQ were accepted OR C-ECHO did not return “Success”
- Partially Verified – Verification SOP Class and at least one other proposed SOP Class were accepted AND C-ECHO returned “Success” AND at least one proposed SOP Class was not accepted

Any Presentation Contexts that were not accepted are no longer initiated by EPIQ, even if the network or server problem that caused the failure is fixed until a subsequent Verify is initiated from PSC – Network/DICOM – DICOM Settings for that device and returns a successful verification for the service.

For example, if Ultrasound Image SOP Class verifies successfully but Ultrasound Multi-frame Image and Comprehensive Structured Report SOP Classes do not verify successfully from PSC – Network/DICOM – DICOM Settings, then transfers of Ultrasound will be initiated by EPIQ but transfers of Ultrasound Multi-frame Images and Structured Reports will not be initiated by EPIQ.

4.2.4.4 Association Acceptance Policy

4.2.4.4.1 Activity – Verification By Remote AE

4.2.4.4.1.1 Description and Sequencing of Activities

The system listens on the port configured on the Global System Configuration screen for Verification requests initiated by other remote devices. The calling device AE must already be configured as a remote device in EPIQ or the association is rejected.

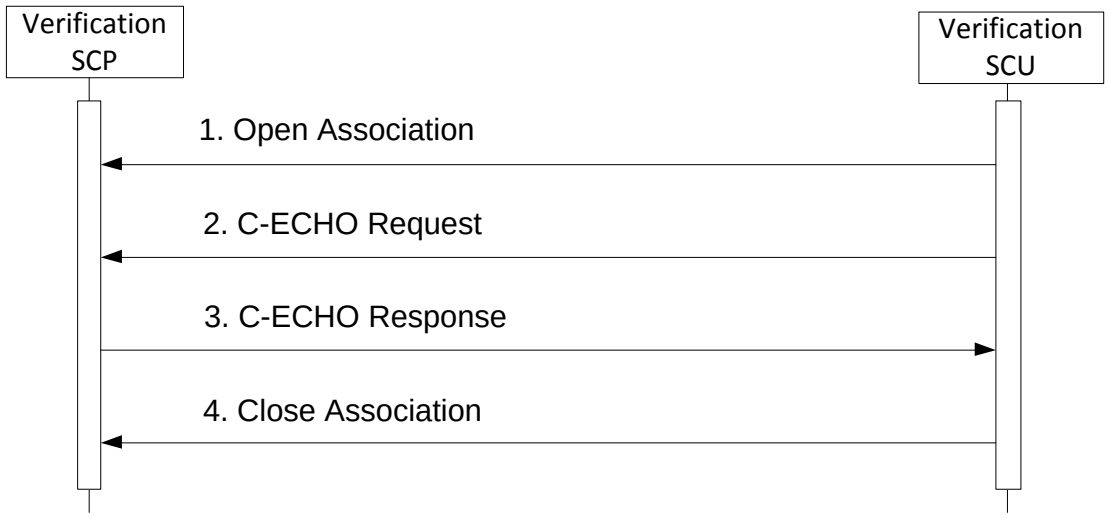


Figure 8b
SEQUENCING OF ACTIVITY – VERIFICATION BY REMOTE AE

4.2.4.4.1.2 Accepted Presentation Contexts

EPIQ will accept Presentation Contexts as shown in the following table:

Table 4.62
ACCEPTABLE PRESENTATION CONTEXTS FOR ACTIVITY VERIFICATION BY REMOTE AE

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Ext. Neg.**
Name	**UID**	**Name List**	**UID List**		
Verification	1.2.840.10008.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	None

4.2.4.4.1.3 SOP Specific Conformance for Verification

The association request will be rejected if the remote AE is not configured on EPIQ.

4.3 NETWORK INTERFACES

4.3.1 Physical Network Interface

EPIQ supports both wired and wireless network interface as follows:

Table 4.63
SUPPORTED PHYSICAL NETWORK INTERFACE

Ethernet 10/100/1000 BaseT, RJ-45, UTP, STP; AutoDetect Speed, Full or Half Duplex
Wireless 802.11 B/G/N using optionally provided wireless adapter only

If both wired and wireless networks are configured, EPIQ will select the best available network automatically as followed:

- The Wired network has priority and it will be used if available
- The Wireless network will be automatically used if the wired network is not available.

4.3.2 Additional Protocols

EPIQ supports the following additional protocols:

- Dynamic Host Configuration Protocol (DHCP): If enabled by the user, DHCP is used to acquire network configuration parameters, such as IP address, subnet mask, gateway address, and DNS server addresses from the DHCP server.
- Domain Name System (DNS): If configured, DNS is used to lookup server network addresses specified by hostname
- Wi-Fi Protected Access II (WPA2) Personal (PSK): Wireless encryption method with shared-key authentication. Provides reasonable wireless security in small to medium wireless network environments.
- Wi-Fi Protected Access II (WPA2) Enterprise: Wireless encryption method with centralized authentication. Provides very good wireless security in medium to large wireless network environments with centralized authentication server support.

4.3.3 IPv4 and IPv6 Support

EPIQ supports either IPv4 and IPv6 internet protocol.

When IPv4 is used
- EPIQ's network address may be specified as either static IP addresses or DHCP
- Remote servers' network addresses may be specified as either IP address or DNS hostname

When IPv6 is used
- EPIQ's network address must be generated automatically as link local address, router discovery address, or assigned by DHCP. Static IPv6 address entry is not supported.
- Remote server' network addresses must be specified by DNS hostname; fixed IPv6 address entry is not supported.
- IPv6 versions of DHCP client, DNS client, ICMP, etc. are supported while IPv6 is being used.

4.4 CONFIGURATION

4.4.1 AE Title/Presentation Address Mapping

Philips Support Connect, or PSC, is the primary interface on EPIQ for configuring DICOM services. It is reached by pressing the "Support" key on the EPIQ control panel.

Additional acquisition and export settings are configured in the Setups interface. This interface is reached by selecting Utilities – Setups – Acquisition/Capture.

4.4.1.1 Local AE Title

All local AEs use the same AE Title and TCP/IP Port configured via the PSC – Network/DICOM – DICOM Settings screen. The system listens on the configured Port for Verification requests from remote AE's, Storage Commitment N-Event reports, and images received from remote Storage SCP's.

4.4.1.2 Remote AE Title/Presentation Address Mapping

Remote AE's may be configured on the PSC – Network/DICOM – DICOM Settings screen. The screen is organized into DICOM Devices, each specified by

- The Device Type which indicates the services for which the device is to be used
- A Device Name given by the user in order to reference the device elsewhere in the EPIQ user interface
- AE Title for the remote AE
- Port for the remote AE
- Network address, specified either by IPv4 IP address or a Hostname that is resolved by DNS
- Additional settings specific to each device type

The following Device Types may be configured:

Table 4.64
CONFIGURABLE DICOM DEVICES

Device Type	Supported SOPs
DICOM Storage Server	Storage SOP Classes defined in Section 4.1.2.1 Study Root Query Retrieve-FIND Study Root Query Retrieve-MOVE
DICOM Commit Server	Storage Commitment Push Model
DICOM MPPS Server	Modality Performed Procedure Step
DICOM Worklist Server	Modality Worklist FIND
DICOM Structured Report Server	Comprehensive Structured Report Storage
DICOM BW Printer	Basic Grayscale Print Meta
DICOM Color Printer	Basic Color Print Meta

To configure a single server that supports multiple services, such as image store, storage commitment, and MPPS, a separate "Device" entry must be configured for each service using the correct device type, an appropriate AE Title, Port, and network address.

To configure Storage Commitment, define a Storage Server to which objects to be committed will be stored and a Storage Commitment server (which may or may not be the same physical computer). Then, on the DICOM Selection screen, associate this Storage Server with the associated Storage Commitment server.

Configuration specific to particular Device Types is described below.

4.4.1.2.1 Image Storage Configuration

Multiple remote Storage SCPs can be defined and up to five may be selected simultaneously for export. For automatic export of acquired images during an exam if set to "Send After Each Print/Acquire" or at the end of an exam is set to "Send At End of Exam", a destination device must be enabled in Setups – Acquisition/Capture – Archive/Print screen. This screen allows each capture control to be seperately configured for export destination. *If a destination device is*

not enabled for a capture control, any images acquired through that capture control will not be automatically sent to that destination device.

Each Storage Server includes a set of Advanced Settings allowing for device-specific control of the data to be stored to that device. These settigns include:

- Compression to be used for single-frame images
- Compression to be used for multi-frame images
- Whether to send images in Monochrome or Color photometric interpretations
- Whether to limit export to Implicit VR Little Endian transfer syntax. Generally used only for the few devices that don't understand any other transfer syntax.
- Whether to send Structured Reports to this destination (see also 4.4.1.2.2)
- Whether to send Native Data of various imaging modes to this device. Native Data should not be selected unless the data will be displayed by a workstation using Philips' QLAB™ analysis software which is able to understand this data, as the datasets are large and could possibly affecting data transfer performance.
- Whether to send Volume data and Philips Proprietary 3D Presentation State to this device. If not enabled, the device would still receive 2D representations of acquired volumes.
- Association Timeout settings (see 4.4.1.2.3)
- Whether to send Pixel Spacing (0028,0030) with single-mode images to this device. This is in addition to any Region Calibration that may otherwise be sent to this device. Use for allowing measurements to be made on DICOM viewers that don't understand Ultrasound Region Calibration.

4.4.1.2.2 Structured Report Storage Configuration

Structured Reports may only be sent to one Storage SCP at a time. This could either be:

- a Storage server that also accepts Structured Reports. To enable this method, enable Structured Report export in Storage Server Advanced Settings. Further, the device must accept the Comprehensive Structured Report Storage SOP Class during the Verify of this device.
- a Structured Report server that only supports and receives reports. To enable this method, create a Structured Report server in PSC – Network/DICOM – DICOM Settings and then select it as the active Structured Report server in PSC – Network/DICOM – DICOM Selection.

For Structured Reports to be sent automatically at end exam, the storage destination must be selected for either the Acquire 1 or Acquire 2 keys in Setups – Acquisition/Capture – Archive/Print.

If SR support is confirmed using verify and measurements are made during the exam, one or more Structured Reports will be sent to the device. OB-GYN study types generate OB-GYN Ultrasound Procedure Reports, Vascular or Abdominal study measurements generate a VascularUltrasound Report, and the Adult Echo Study generates an Echocardiography Procedure Report. Two types of Pediatric Echo Reports are available depending on configuration: DICOM-standard Pediatric, Fetal, and Congenital Cardiac Ultrasound Report or Philips proprietary Pediatric Echo Report. Note that there may be more than one report instance per exam, so long as they are from different study types. If no separate Structured Report server is configured and the SOP Class fails negotiation on the configured Storage server, then no SR objects will be created, however, a failed job will remain in the queue. This will need to be manually removed.

User Defined measurements will now be sent in a Structured report. No Structured Report is sent for General, Small Parts, or Breast measurements.

4.4.1.2.3 Advanced Storage Device Association Timeout Configuration

Three timeout settings may be configured for each "Storage" device via its "Advanced Settings" properties page.

ARTIM (Association Request/Reject/Release) Timeout

- The Timeout between establishment of a TCP/IP connection and the actual Association Request message. Also specified the maximum timeout between association reject or release and the actual TCP/IP disconnect.

Network Reply Timeout

- If there is no response from the SCP within this time period, the Network/Reply timer expires. The system will send a DICOM A-Associate-Release Rq.

Association Timeout SCU/SCP

- Association inactivity timeout. In most cases where the system is configured to Send After Each Image, this timeout needs to exceed the maximum idle time expected during normal use.

4.4.1.2.4 Serial Structured Report Storage Configuration

Serial Report data is a non-DICOM representation of Structured Reports which may additionally be exported via a USB – RS-232 adapter cable to a null-modem RS-232 cable to a serial port configured for 115200 baud, 8 bits, No Parity, 1 Stop Bit and Xon-Xoff Flow Control. Output will be an XML representation of the DICOM Structured Report object.

4.4.1.2.5 Workflow Configuration

Multiple Worklist servers may be defined, but only a single Worklist server can be selected at a time on the PSC – Network/DICOM – DICOM Selection page. See 4.2.2.3.1 for the specification of query criteria for worklist queries.

Multiple MPPS servers may be defined, but only a single MPPS server can be selected at a time time on the PSC – Network/DICOM – DICOM Selection page. No other configuration is required for MPPS servers.

4.4.1.2.6 Hardcopy

Multiple remote Print SCPs can be defined, but no more than one Grayscale and one Color Print SCP may be selected at a time.

Automatic sending of color images to the color printer and BW images to the BW printer is selectable in the Printer/Network > Print/Capture page's "Send Images/Clips" section.

4.4.2 Parameters

The following parameters apply to all Application Entities. The system must be power-cycled after changing any of these values:

Table A.4.4-2
Configuration Parameters table

Parameter	Configurable (Yes/No)	Default Value
General Parameters		
AE Title for all AE's	Yes	AETitle
Listening Port	Yes	104
Station Name	Yes	<empty>
Station Location	Yes	<empty>
Hostname	Yes	<generatedName>

5 MEDIA STORAGE

5.1 IMPLEMENTATION MODEL

5.1.1 Application Data Flow

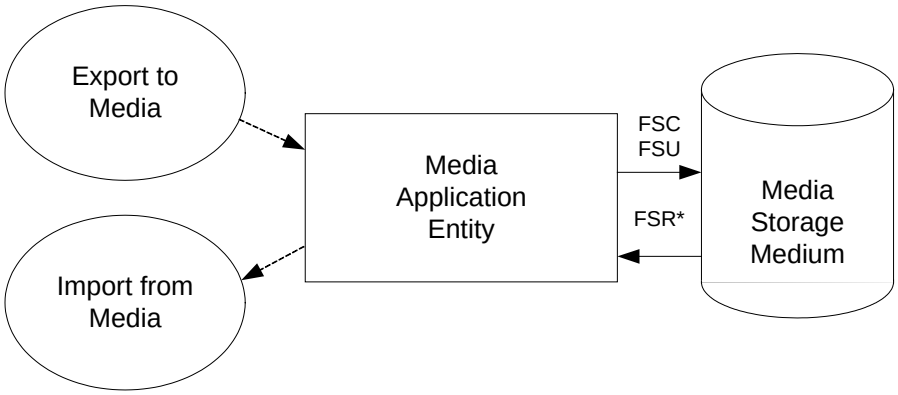


Figure 9
APPLICATION DATA FLOW DIAGRAM FOR MEDIA STORAGE

The Media Application Entity exports Images, 3D Presentation States and structured Reports to a disk Storage medium. It is associated with the local real-world activity "Export to Media". "Export to Media" is performed upon user request for selected studies, performed procedures, or instances (images, 3D Volumes, 3D Presentation States, and Structured Reports).

Throughout this section, the term "Media" refers to any of the media listed below which is in use.

> EPIQ will support the use of most writable media including CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD+RW and removable USB Storage Device. DICOM structure will be the same regardless of media used.
>
> Note that although –R or +R media may be erased multiple times using "erase", the space may not be recovered. If a –R or +R media is "Erased", the previously written data is no longer available, and only the remaining unwritten space on the media is available for use. This restriction does not apply to + / - RW media. Erasing + / - RW media allows the entire disk's space to be used.
>
> If a –R or +R is erased, it is not usuable again for DICOM exports due to reliability concerns associated with DVD media. Only DVD+RW/-RW can be erased and used again for DICOM export.

5.1.2 Functional Definition of AEs

5.1.2.1 Functional Definition of Media Application Entity

Using "Export to… Media" will pass the currently selected studies, exams, or individually selected images to the Media Application Entity. The SOP Instances associated with the selection will be collected into one or more export jobs. The contents of each export job will be written to the installed media. If the capacity of a disk is exceeded, the user is provided a dialog, stating capacity exceeded and to insert another disk.

5.1.3 Sequencing of Real-World Activities

At least one image must exist and be selected before the Media Application Entity can be invoked. The operator can insert new media at any time. If no writable media is available, the Media queue management Icon will be Yellow.

5.1.4 File Meta Information Options

The implementation information written to the File Meta Header in each file is:

Table 5.1
DICOM IMPLEMENTATION CLASS AND VERSION FOR MEDIA STORAGE

Implementation Class UID	1.3.46.670589.5.2.10
Implementation Version Name	MIP10.1RC2

5.2 AE SPECIFICATIONS

5.2.1 Media Application Entity Specification

The Media Application Entity provides standard conformance to the DICOM Interchange Option of the Media Storage Service Class. The Application Profiles and roles are listed in DICOM PS 3.10 and PS 3.11.

Table 5.2
MEDIA APPLICATION PROFILES, ACTIVITIES, AND ROLES

Application Profiles Supported	Real World Activity	Roles	SC Option
STD-US-SC-SF&MF-CDR	Export to….Media	FSC	Interchange
STD-US-SC-SF&MF-DVD STD-GEN-USB-JPEG		FSC, FSU	
STD-US-SC-SF&MF-CDR STD-US-SC-SF&MF-DVD STD-GEN-USB-JPEG	Send to Hard Disk (import)	FSR	

5.2.1.1 File Meta Information for the Application Entity

The File-Set ID (0004,1130) included in the File Meta Header of the DICOMDIR is the same as the volume label of the media.

5.2.1.2 Real-World Activities

5.2.1.2.1 Activity – Export to Media

The Media Application Entity acts as an FSC using the interchange option when requested to export SOP Instances from the local database to media.

The contents of the export job will be written together with a corresponding DICOMDIR to media. The user can cancel an export job in the job queue. Writing in multi-session format to CDs and DVDs is not supported; any CD or DVD with DICOM data on it will be viewed as read-only and additional information will not be written to the media. USB media can be written many times.

5.2.1.2.2 Activity – Import from Media

The Media Application Entity acts as an FSR using the interchange option when requested to import SOP Instances from media to the local database.

The Patient Directory user interface displays the contents of removeable media. Exams selected by the user are transferred from the media to the system for review. Objects transferred to the system retain their original SOP

Instance UIDs. Patient Directory must be set to display the contents of the Hard Disk before the imported exam information may be displayed.

Note: Structured Reports may not be read back into EPIQ.

5.2.1.2.3 Activity – Update to Media

The Media Application Entity acts as an FSU using the interchange option when requested to export SOP Instances from the local database to media upon which DICOM data already resides.

The system user selects exams from the system's directory for transfer to media that already contains data. The DICOMDIR is updated allowing access to original and new data.

DVD +RW media may be erased at any time, removing all previously recorded data.

5.2.1.2.3.1 Media Storage Application Profiles

See Table 5.2 for supported Application Profiles.

5.2.1.2.3.2 Options

The Media Application Entity supports the SOP Classes and Transfer Syntaxes listed inTable 5.3..

Table 5.3
IODS, SOP CLASSES AND TRANSFER SYNTAXES FOR REMOVABLE ¬MEDIA

Information Object Definition	SOP Class UID	Transfer Syntax	Transfer Syntax UID
Media Storage Directory Storage	1.2.840.10008.1.3.10	Explicit VR Little Endian	1.2.840.10008.1.2.1
US Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70
US Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.6	Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70
US Multiframe Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline Lossy Compression	1.2.840.10008.1.2.4.50
US Multiframe Image Storage (Retired)*	1.2.840.10008.5.1.4.1.1.3	Explicit VR Little Endian	1.2.840.10008.1.2.1
		JPEG Baseline Lossy Compression	1.2.840.10008.1.2.4.50
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70

Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1	Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70
Digital Mammography X-Ray Image Storage – For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70
Digital Mammography X-Ray Image Storage – For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70
MR Spectroscopy Image Storage	1.2.840.10008.5.1.4.1.1.4.2	Explicit VR Little Endian JPEG Lossy Baseline JPEG Extended 12-bit Lossy JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1	Explicit VR Little Endian	1.2.840.10008.1.2.1
Multi-frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2	Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70
Multi-frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	Explicit VR Little Endian JPEG Lossy Baseline JPEG Lossless Baseline	1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70
Comprehensive Structured Report Storage	1.2.840.10008.5.1.4.1.1.88.33	Explicit VR Little Endian	1.2.840.10008.1.2.1
Private 3D Presentation State**	1.3.46.670589.2.5.1.1	Explicit VR Little Endian	1.2.840.10008.1.2.1

** For import to Philips QLAB or Xcelera workstations only.

6 SUPPORT OF CHARACTER SETS

All EPIQ DICOM applications support the

ISO_IR 100 (ISO 8859-1:1987 Latin Alphabet No. 1 supplementary set)

7 SECURITY

DICOM security is not implemented on EPIQ at this time.

EPIQ incorporates an internal firewall that only accepts incoming traffic on the designated listening port, as configured in PSC – Network/DICOM – DICOM Settings. The port is only opened if one or more servers are defined.

8 ANNEXES

8.1 IOD CONTENTS

8.1.1 Created SOP Instances

Table 8.1 specifies the attributes of an Ultrasound Image transmitted by the EPIQ storage application.

Table 8.2 specifies the attributes of a Comprehensive Structured Reports transmitted by the EPIQ storage application. Please note that there are differences between which Structured Report Templates are used in each product.

The following tables use a number of abbreviations. The abbreviations used in the “Presence of …” column are:

VNAP	Value Not Always Present
ANAP	Attribute Not Always Present
ALWAYS	Always Present
ALWAYSUA	Always Present, unless anonymized
EMPTY	Attribute is sent without a value

The abbreviations used in the “Source” column:

MWL	the attribute value source Modality Worklist
USER	the attribute value source is from User input
AUTO	the attribute value is generated automatically
MPPS	the attribute value is the same as the Modality Performed Procedure Step service
CONFIG	the attribute value source is a configurable parameter

8.1.1.1 US or US Multiframe Image IOD

Table 8.1
IOD OF CREATED US OR US MULTIFRAME SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.5	ALWAYS
Study	General Study	Table 8.6	ALWAYS
	Patient Study	Table 8.7	ALWAYS
Series	General Series	Table 8.9	ALWAYS
Equipment	General Equipment	Table 8.10	ALWAYS
Image	General Image	Table 8.11	ALWAYS
	Image Pixel	Table 8.12	ALWAYS
	Cine	Table 8.13	Only if Multi-frame
	Multi-frame	Table 8.14	Only if Multi-frame
	US Region Calibration	Table 8.15	ANAP
	US Image	Table 8.16	ALWAYS
	VOI LUT	Table 8.17	Only if Single frame
	SOP Common	Table 8.18	ALWAYS

8.1.1.2 Secondary Capture IOD

Table 8.2
IOD OF CREATED SECONDARY CAPTURE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.5	ALWAYS
Study	General Study	Table 8.6	ALWAYS
	Patient Study	Table 8.7	ALWAYS
Series	General Series	Table 8.9	ALWAYS
Equipment	General Equipment	Table 8.10	ALWAYS
	SC Equipment	Table 8.21	ALWAYS
Image	General Image	Table 8.19	ALWAYS
	Image Pixel	Table 8.20	ALWAYS
	SC Image	N.A.	All attributes are optional and are not present
	SOP Common	Table 8.18	ALWAYS

8.1.1.3 Multi-Frame True Color Secondary Capture IOD

Table 8.3
IOD OF CREATED MULTI-FRAME TRUE COLOR SECONDARY CAPTURE SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.5	ALWAYS
Study	General Study	Table 8.6	ALWAYS
	Patient Study	Table 8.7	ALWAYS
Series	General Series	Table 8.9	ALWAYS
Equipment	General Equipment	Table 8.10	ALWAYS
	SC Equipment	Table 8.21	ALWAYS
Image	General Image	Table 8.19	ALWAYS
	Image Pixel	Table 8.20	ALWAYS
	Cine	Table 8.13	ALWAYS
	Multi-frame	Table 8.14	ALWAYS
	SC Multi-frame Image	Table 8.22	ALWAYS
	SC Multi-frame Vector	N.A.	All attributes are conditional and are not present
	SOP Common	Table 8.18	ALWAYS

8.1.1.4 Comprehensive Structured Report IOD

Table 8.4
IOD OF CREATED COMPREHENSIVE STRUCTURED REPORT SOP INSTANCES

IE	Module	Reference	Presence of Module
Patient	Patient	Table 8.5	ALWAYS
Study	General Study	Table 8.6	ALWAYS
	Patient Study	Table 8.7	ALWAYS
Series	SR Document Series	Table 8.24	ALWAYS
Equipment	General Equipment	Table 8.10	ALWAYS
Document	SR Document General	Table 8.25	ALWAYS
	SR Document Content	Table 8.26	ALWAYS
	SOP Common	Table 8.27	ALWAYS

8.1.1.5 Attribute Content by Module

8.1.1.5.1 Common Modules

Table 8.5
PATIENT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Patient's Name	(0010,0010)	PN	Same attribute of MWL or PDE input	ALWAYS	MWL/ USER
Patient ID	(0010,0020)	LO	From MWL, user input or system generated. Maximum 64 characters.	ALWAYS	MWL/ USER/ AUTO
Patient's Birth Date	(0010,0030)	DA	Same attribute of MWL or PDE input	VNAP	MWL/ USER
Patient's Sex	(0010,0040)	CS	Same attribute of MWL or PDE input*	VNAP	MWL/ USER
Other Patient IDs	(0010,1000)	LO	Same attribute of MWL	VNAP	MWL
Ethnic Group	(0010,2160)	SH	Same attribute of MWL	VNAP	MWL
Patient Comments*	(0010,4000)	LT	Same attribute of MWL or PDE input MWL input limited to 3500 characters PDE input limited to 100 characters	VNAP	MWL/ USER

* In English

* Note: Patient Comments originating from modality worklist patients are not exported on exams consisting entirely of loop images.

Table 8.6
GENERAL STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Study Instance UID	(0020,000D)	UI	Same value as in MWL or auto generated	ALWAYS	MWL/ AUTO
Study Date	(0008,0020)	DA	Study's Start Date (0040,0244).	ALWAYSUA	AUTO
Study Time	(0008,0030)	TM	Study's Start Time (0040,0245).	ALWAYS	AUTO
Referring Physician's Name	(0008,0090)	PN	Only Last, First and Middle names from MWL, sent as "Last, First, Middle" in the Last name field; or PDE input.	VNAP	MWL/ USER
Study ID	(0020,0010)	SH	MWL Requested Procedure ID (0040,1001) or auto-generated	ALWAYSUA	MWL/ AUTO
Accession Number	(0008,0050)	SH	Same attribute of MWL or user PDE input.	VNAP	MWL/ USER
Study Description	(0008,1030)	LO	The first available attribute (provided in the MWL response) from the following list: Requested Procedure Description (0032,1060) Scheduled Procedure Step Description (0040,0007) Scheduled Procedure Step Code Meaning (0008,0104) Reason for the Requested Procedure (0040,1002) Reason for the Imaging Service Request (0040,2001) or user input	VNAP	MWL/ USER
Physician(s) of Record	(0008,1048)	PN	Mapped from Names of Intended Recipients of Results (0040,1010) from MWL, otherwise not present	ANAP	MWL
Referenced Study Sequence	(0008,1110)	SQ	One item per item in the MWL Referenced Study Sequence. Absent if unscheduled.	ANAP	MWL
>Referenced SOP Class UID	(0008,1150)	UI	Same value as in of the Referenced Study Sequence in the MWL	VNAP	MWL
>Referenced SOP Instance UID	(0008,1155)	UI	Same value as in of the Referenced Study Sequence in the MWL	VNAP	MWL
>Requested Procedure Description	(0032,1060)	LO	Same value as MWL attribute	VNAP	MWL
Procedure Code Sequence	(0008,1032)	SQ	MWL Requested Procedure Code Sequence (0032,1064) Absent if unscheduled.	ANAP	MWL
>Code Value	(0008,0100)	SH	Same value as MWL attribute	VNAP	MWL
>Coding Scheme Designator	(0008,0102)	SH	Same value as MWL attribute	VNAP	MWL

Attribute Name	Tag	VR	Value	Presence of Value	Source
>Coding Scheme Version	(0008,0103)	SH	Same value as MWL attribute	VNAP	MWL
>Code Meaning	(0008,0104)	LO	Same value as MWL attribute	VNAP	MWL

Table 8.7
PATIENT STUDY MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Admitting Diagnosis Description	(0008,1080)	LO	Same attribute as MWL attribute	VNAP	MWL
Patient Size	(0010,1020)	DS	Same value as MWL attribute or PDE input	VNAP	MWL/ USER
Patient's Weight	(0010,1030)	DS	Same value as MWL attribute or PDE input	VNAP	MWL/ USER
Additional Patient's History	(0010,21B0)	LT	Same value as MWL attribute	VNAP	MWL

Table 8.8
PATIENT MEDICAL MODULE OF CREATED SOP INSTANCES*

Attribute Name	Tag	VR	Value	Presence of Value	Source
Medical Alerts	(0010,2000)	LO	Same value as MWL attribute	VNAP	MWL
Pregnancy Status	(0010,21C0)	US	Same value as MWL attribute	ANAP	MWL

*Note: These attributes extend the standard US Image and US Multiframe Image IODs

Table 8.9
GENERAL SERIES MODULE OF CREATED IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	"US"	ALWAYS	AUTO
Presentation Intent Type	(0008,0068)	CS	This attribute is defined for the DX Series. It is added here as an extension to the General Series for Ultrasound. "FOR PRESENTATION" if this is Series 1, containing the standard ultrasound images. "FOR PROCESSING" if this is Series 4, containing Ultrasound Multiframe 3D volumes, intended only for processing by Philips 3D viewers.	ALWAYS	AUTO
Series Instance UID	(0020,000E)	UI	Auto-generated	ALWAYS	AUTO
Series Number	(0020,0011)	IS	A number unique within the Study.	ALWAYS	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
Series Date	(0008,0021)	DA	Date of first image in series.	ALWAYSUA	AUTO
Series Time	(0008,0031)	TM	Time of first image in series.	ALWAYS	AUTO
Performing Physician's Name	(0008,1050)	PN	MWL Scheduled Performing Physician's Name (0040,0006)	VNAP	MWL
Protocol Name	(0018,1030)	LO	"Free Form" "Exercise 2 Stage" "Exercise 3 Stage" "Pharmacological 4 Stage" "Wall Motion and Contrast" "Quantitative 4 Stage" user defined	ALWAYS	AUTO
Series Description	(0008,103E)	LO	Same as Study Description when from MWL.	ANAP	MWL/ USER
Operator's Name	(0008,1070)	PN	From PDE "Sonographer" field	VNAP	USER
Referenced Performed Procedure Step Sequence	(0008,1111)	SQ	Identifies the MPPS SOP Instance this image is related to	ALWAYS	MPPS
>Referenced SOP Class UID	(0008,1150)	UI	PPS SOP Class = "1.2.840.10008.3.1.2.3.3"	ALWAYS	MPPS
>Referenced SOP Instance UID	(0008,1155)	UI	PPS Instance UID of the PPS generating this image	ALWAYS	MPPS
Request Attributes Sequence	(0040,0275)	SQ		ALWAYS	AUTO / MWL
>Requested Procedure ID	(0040,1001)	SH	Auto-generated=Study ID or value from MWL. One item.	ALWAYS	AUTO / MWL
>Scheduled Procedure Step ID	(0040,0009)	SH	Auto-generated=Study ID or value from MWL. One item.	ALWAYS	AUTO / MWL
>Scheduled Procedure Step Description	(0040,0007)	LO	Same value as MWL attribute.	VNAP	MWL
>Scheduled Protocol Code Sequence	(0040,0008)	SQ	Same value as MWL attribute.	VNAP	MWL
Performed Procedure Step ID	(0040,0253)	SH	Auto-generated=Study ID or value from MWL. One item.	ALWAYSUA	AUTO / MWL
Performed Procedure Step Start Date	(0040,0244)	DA	See Table 8.6	ALWAYSUA	AUTO
Performed Procedure Step Start Time	(0040,0245)	TM	See Table 8.6	ALWAYS	AUTO
Performed Procedure Step Description	(0040,0254)	LO	MWL Scheduled Procedure Step Description (0040,0007) or PDE input if any.	VNAP	USER / MWL
Performed Protocol Code Sequence	(0040,0260)	SQ	Zero length, or mapped from MWL Scheduled Protocol Code Sq (0040,0008)	VNAP	MWL

Table 8.10
GENERAL EQUIPMENT MODULE OF CREATED SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Manufacturer	(0008,0070)	LO	Philips Medical Systems	ALWAYS	AUTO
Institution Name	(0008,0080)	LO	From Setups configuration* (requires power cycle)	VNAP	CONFIG
Station Name	(0008,1010)	SH	From Setups configuration	VNAP	CONFIG
Manufacturer's Model Name	(0008,1090)	LO	A string indicating the product, level, and clinical specialty. Example: EPIQ 7C	ALWAYS	AUTO
Device Serial Number	(0018,1000)	LO	Encoded, also used as component of system generated private UIDs.	ALWAYS	AUTO
Software Version(s)	(0018,1020)	LO	A string indicating the model name and software build version. Example: EPIQ 7C_1.0.0.1234	ALWAYS	AUTO

* Always cycle system power after changing Institution Name prior to sending data.

8.1.1.5.2 US or Multiframe Image Modules

Table 8.11
GENERAL IMAGE MODULE OF CREATED US SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Instance Number**	(0020,0013)	IS	Generated by device, increments from "1" in each series	ALWAYS	AUTO
Content Date	(0008,0023)	DA	<yyyymmdd>	ALWAYSUA	AUTO
Content Time	(0008,0033)	TM	<hhmmss>	ALWAYS	AUTO
Image Type	(0008,0008)	CS	ORIGINAL/PRIMARY/<Analysis Type*> for uncompressed, DERIVED/PRIMARY/ < Analysis Type *> if compressed	ALWAYS	CONFIG
Acquisition Datetime	(0008,002A)	DT	The date and time that the acquisition of data that resulted in this image started.	ALWAYSUA	AUTO
Derivation Description	(0008,2111)	ST	"Uncompressed" for US Image or "Low", "Medium" or "High" for USMF Image based on configuration setting	ALWAYS	AUTO
Source Image Sequence	(0008,2112)	SQ	This sequence will be present only for 3D images from motorized 3D transducers, or freehand acquisition from single-array transducers.	ANAP	AUTO
> Referenced SOP Class UID	(0008,1150)	UI	SOP Class UID of Ultrasound Multiframe Image	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
> Referenced SOP Instance UID	(0008,1155)	UI	The value is the SOP Instance UID of the associated 3D volume. This value links this image, intended for first-order presentation, to a US Multiframe image in Series 4, which is intended as source data for proprietary 3D viewing applications.	ANAP	AUTO
> Purpose of Reference Code Sequence	(0040,A170)	SQ		ANAP	AUTO
>> Coding Scheme Designator	(0008,0102)	SH	"DCM"	ANAP	AUTO
>> Code Value	(0008,0100)	SH	"121324"	ANAP	AUTO
>> Code Meaning	(0008,0104)	LO	"Source Image" (comment from DICOM PS 3.16: "image used as the source for a derived or compressed image")	ANAP	AUTO
Burned In Annotation	(0028,0301)	CS	Set to "NO"	ALWAYS	AUTO
Lossy Image Compression	(0028,2110)	CS	"01" if image is lossy compressed, "00" if not.	ALWAYS	AUTO
Lossy Image Compression Ratio	(0028,2112)	DS	For Lossy Compressed images, the following is sent: Lossy Low = 100 Lossy Med = 95 Lossy High = 90	ANAP	AUTO
Lossy Image Compression Method	(0028,2114)	CS	For Lossy Compressed images, the attribute is set to "ISO_10918_1"	ANAP	AUTO
Presentation LUT Sequence	(2050,0010)	SQ	Provided as an extension to the Ultrasound Multiframe IOD. Present only for 3D volume objects in Series 4.	ANAP (Mutually exclusive with (2050,0020)	AUTO
> LUT Description	(0028,3002)	US or SS	[256 / 0 / 16]	ANAP	AUTO
> LUT Data	(0028,3006)	US or SS or OW	[P0 / P1 ... P255] Array of 256 16-bit values mapping the output range of the VOI LUT to P-values	ANAP	AUTO
Presentation LUT Shape	(2050,0020)	CS	"IDENTITY" Only if "Image Export Format" is GSDF.	ANAP	AUTO

* Analysis Type selection is determined by the analysis package associated with the transducer / preset selection.
** Instance Number will be mapped to View Number when studies with General Imaging Protocol Images are configured to export shuffled. Images that are not part of the protocol will have the instance number offset by 10,000.

Table 8.12
IMAGE PIXEL MODULE OF CREATED US OR US MULTIFRAME SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Samples per Pixel	(0028,0002)	US	See US Image Module Table 8.16	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	See US Image Module Table 8.16	ALWAYS	AUTO
Rows	(0028,0010)	US	Image height in pixels. Varies with export resolution configuration, normal vs. quad size image, and full-screen vs. image area setting.	ALWAYS	CONFIG
Columns	(0028,0011)	US	Image width in pixels. Varies with export resolution configuration, normal vs. quad size image, and full-screen vs. image area setting.	ALWAYS	CONFIG
Bits Allocated	(0028,0100)	US	8 Bits per pixel.	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8 Bits per pixel.	ALWAYS	AUTO
High Bit	(0028,0102)	US	High bit is 7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	“0” pixels are Unsigned Integers	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OW / OB		ALWAYS	AUTO
Planar Configuration	(0028,0006)	US	Present when image is RGB. Value is “0”.	ANAP	AUTO

Table 8.13
CINE MODULE OF CREATED MULTIFRAME US OR SC SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Frame Time	(0018,1063)	DS	Frame time in milliseconds	ANAP	AUTO
Recommended Display Frame Rate	(0008,2144)	IS	Display frame rate corresponding to Frame Time (0018,1063) value, in frames per second.	ANAP	AUTO
Cine Rate	(0018,0040)	IS	Display frame rate corresponding to Frame Time (0018,1063) value, in frames per second.	ANAP	AUTO

Table 8.14
MULTI-FRAME MODULE OF CREATED MULTIFRAME US OR SC SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Number of Frames	(0028,0008)	IS	# of frames in object	ANAP	AUTO
Frame Increment Pointer	(0028,0009)	AT	0x00181063: Frame Time only	ANAP	AUTO

Table 8.15
US REGION CALIBRATION MODULE OF CREATED US IMAGE OR US MULTIFRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Sequence of Ultrasound Regions	(0018,6011)	SQ	A sequence is present for each region on the system display, except for ECG regions. Only when set for “Display Area”. No scaling for “Full Screen” images, rendered 3D.	ANAP	AUTO
>Region Location Min x_0	(0018,6018)	UL	Top Left position of region.	ALWAYS	AUTO
>Region Location Min y_0	(0018,601A)	UL	Top Left position of region	ALWAYS	AUTO
>Region Location Max x_1	(0018,601C)	UL	Bottom Right position of region	ALWAYS	AUTO
>Region Location Max y_1	(0018,601E)	UL	Bottom Right position of region	ALWAYS	AUTO
>Physical Units X Direction	(0018,6024)	US	Enumerated Value. 2D Image = 0003H = CM Mmode / Doppler = 0004H = SEC	ALWAYS	AUTO
>Physical Units Y Direction	(0018,6026)	US	Enumerated Value. 2D Image = 0003H = CM Mmode = 0003H = CM Doppler = 0007H = CM / SEC	ALWAYS	AUTO
>Physical Delta X	(0018,602C)	FD	The physical value per pixel increment	ALWAYS	AUTO
>Physical Delta Y	(0018,602E)	FD	The physical value per pixel increment	ALWAYS	AUTO
>Reference Pixel X0	(0018,6020)	SL	The X pixel value of baseline, Doppler only	ANAP	AUTO
>Reference Pixel Y0	(0018,6022)	SL	The Y pixel value of baseline, Doppler only	ANAP	AUTO
>Region Spatial Format	(0018,6012)	US	Enumerated Value. 2D (tissue or flow) = 0001H M-Mode (tissue or flow) = 0002H Spectral (CW or PW Doppler) = 0003H	ALWAYS	AUTO
>Region Data Type	(0018,6014)	US	Enumerated Value. Tissue = 0001H PW Spectral Doppler = 0003H CW Spectral Doppler = 0004H	ALWAYS	AUTO
>Region Flags	(0018,6016)	UL	Bit mask. See DICOM PS3.3 C.8.5.5.1.3:	ALWAYS	AUTO

Table 8.16
US IMAGE MODULE OF CREATED US IMAGE OR US MULTIFRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Samples Per Pixel	(0028,0002)	US	"1" for MONOCHROME2, only if "Export Monochrome" is selected, otherwise, "3" for RGB or YBR_FULL_422	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	Uncompressed: "MONOCHROME2" or "RGB" Compressed: "YBR_FULL_422"	ALWAYS	CONFIG
Bits Allocated	(0028,0100)	US	8 Bits per pixel.	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8 Bits per pixel.	ALWAYS	AUTO
High Bit	(0028,0102)	US	High bit is 7	ALWAYS	AUTO
Planar Configuration	(0028,0006)	US	Always "0",	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	"0" Pixels are Unsigned integers	ALWAYS	AUTO
Frame Increment Pointer	(0028,0009)	AT	(0018,1063) "Frame Time" only.	ANAP	AUTO
Image Type	(0008,0008)	CS	See Table 8.11	ALWAYS	CONFIG
Lossy Image Compression	(0028,2110)	CS	"01" if image is lossy compressed, "00" if not.	ALWAYS	AUTO
Number of Stages	(0008,2124)	IS	1-n	ANAP	AUTO
Number of Views in Stage	(0008,212A)	IS	1-n	ANAP	AUTO
Ultrasound Color Data Present	(0028,0014)	US	0 or 1	ALWAYS	AUTO
Stage Name	(0008,2120)	SH	REST, PEAK, POST, IMPOST, BASE, LOW, user defined	ANAP	AUTO
Stage Code Sequence	(0040,000A)	SQ	Sequence of items describing the performed Ultrasound Protocol Stage(s). See Baseline Context ID 12002 for possible contents.	ANAP	AUTO
Stage Number	(0008,2122)	IS	1-n	ANAP	AUTO
View Name*	(0008,2127)	SH	LAX, SAX, AP4, AP2, AP3, user defined	ANAP	AUTO
View Number*	(0008,2128)	IS	1-n	ANAP	AUTO
Number of Event Timers	(0008,2129)	IS	1-n	ANAP	AUTO
Event Elapsed Time(s)	(0008,2130)	DS	nnn msec.	ANAP	AUTO
Event Timer Name(s)	(0008,2132)	LO	Timer	ANAP	AUTO
View Code Sequence	(0054,0220)	SQ	Sequence that describes the view of the patient anatomy in this image. Only a single Item shall be permitted in this Sequence.		
Acquisition Datetime	(0008,002A)	DT	The date and time that the acquisition of data that resulted in this image started.	ALWAYSUA	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
Trigger Time	(0018,1060)	DS	nnn msec.	ANAP	AUTO
Heart Rate	(0018,1088)	IS	Beats per minute	ANAP	AUTO
Transducer Data	(0018,5010)	LO	Transducer name	ALWAYS	AUTO
Processing Function	(0018,5020)	LO	Imaging optimization name.	ALWAYS	AUTO

* View name and View Number attributes are also in use by General Imaging Protocol

Table 8.17
VOI LUT MODULE OF CREATED US SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Window Center	(0028,1050)	DS	Fixed at 127	ANAP	AUTO
Window Width	(0028,1051)	DS	Fixed at 254	ANAP	AUTO

Table 8.18
SOP COMMON MODULE OF CREATED US IMAGE OR US MULTIFRAME IMAGE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.6.1 or 1.2.840.10008.5.1.4.1.1.6 for US Image 1.2.840.10008.5.1.4.1.1.3.1 or 1.2.840.10008.5.1.4.1.1.3 for US Multiframe Image	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI	Generated by device	ALWAYS	AUTO
Specific Character Set	(0008,0005)	CS	Attribute only sent if an Extended or Replacement Character Set is used	ANAP	AUTO
Instance Creation Date	(0008,0012)	DA	<yyyymmdd>	ALWAYSUA	AUTO
Instance Creation Time	(0008,0013)	TM	<hhmmss>	ALWAYS	AUTO

8.1.1.5.3 Secondary Capture Image Modules

Table 8.19
GENERAL IMAGE MODULE OF CREATED SECONDARY CAPTURE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Instance Number**	(0020,0013)	IS	Generated by device, increments from “1” in each Secondary Capture series	ALWAYS	AUTO
Content Date	(0008,0023)	DA	<yyyymmdd>	ALWAYSUA	AUTO
Content Time	(0008,0033)	TM	<hhmmss>	ALWAYS	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
Image Type	(0008,0008)	CS	DERIVED/PRIMARY/	ALWAYS	CONFIG
Acquisition Datetime	(0008,002A)	DT	The date and time that the acquisition of data that resulted in this image started.	ALWAYSUA	AUTO
Derivation Description	(0008,2111)	ST	“Uncompressed” for SC Image or “Low”, “Medium” or “High” for USMF Image based on configuration setting	ALWAYS	AUTO
Burned In Annotation	(0028,0301)	CS	See SC Multi-Frame Image Module Table 8.22	ALWAYS	AUTO
Lossy Image Compression	(0028,2110)	CS	“01” if image is lossy compressed, “00” if not.	ALWAYS	AUTO
Lossy Image Compression Ratio	(0028,2112)	DS	For Lossy Compressed images, the following is sent: Lossy Low = 100 Lossy Med = 95 Lossy High = 90	ANAP	AUTO
Lossy Image Compression Method	(0028,2114)	CS	For Lossy Compressed images, the attribute is set to “ISO_10918_1”	ANAP	AUTO

Table 8.20
IMAGE PIXEL MODULE OF CREATED SECONDARY CAPTURE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Samples per Pixel	(0028,0002)	US	Set to 1 for Secondary Capture Images, Set to 3 for Multi-frame True Color SC Images	ALWAYS	AUTO
Photometric Interpretation	(0028,0004)	CS	Uncompressed: “MONOCHROME2” or “RGB” Compressed: “YBR_FULL_422”	ALWAYS	AUTO
Rows	(0028,0010)	US	Image height in pixels: 983 or 1050 for Secondary Capture Images 983 for Multi-frame True Color SC Images	ALWAYS	CONFIG
Columns	(0028,0011)	US	Image width in pixels: 1593 or 1920 for Secondary Capture Images 1593 for Multi-frame True Color SC Images	ALWAYS	CONFIG
Bits Allocated	(0028,0100)	US	8 Bits per pixel.	ALWAYS	AUTO
Bits Stored	(0028,0101)	US	8 Bits per pixel.	ALWAYS	AUTO
High Bit	(0028,0102)	US	High bit is 7	ALWAYS	AUTO
Pixel Representation	(0028,0103)	US	“0” pixels are Unsigned Integers	ALWAYS	AUTO
Pixel Data	(7FE0,0010)	OW / OB		ALWAYS	AUTO
Planar Configuration	(0028,0006)	US	Present when image is RGB. Value is “0”.	ANAP	AUTO

Table 8.21
SC EQUIPMENT MODULE OF CREATED SECONDARY CAPTURE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Conversion Type	(0008,0064)	CS	WSD = Workstation	ALWAYS	AUTO
Modality	(0008,0060)	CS	Determined by the image modality being viewed at the time of acquisition.	ALWAYS	AUTO

Table 8.22
SC MULTI-FRAME IMAGE MODULE OF CREATED SECONDARY CAPTURE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Burned In Annotation	(0028,0301)	CS	Set to “YES”	ALWAYS	AUTO
Frame Increment Pointer	(0028,0009)	AT	0x00181063: Frame Time only	ALWAYS	AUTO

Table 8.23
SOP COMMON MODULE OF CREATED SECONDARY CAPTURE SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.7 for Secondary Capture Image 1.2.840.10008.5.1.4.1.1.7.4 for Multi-frame True Color Secondary Capture Image	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI	Generated by device	ALWAYS	AUTO
Specific Character Set	(0008,0005)	CS	Attribute only sent if an Extended or Replacement Character Set is used	ANAP	AUTO
Instance Creation Date	(0008,0012)	DA	<yyyymmdd>	ALWAYSUA	AUTO
Instance Creation Time	(0008,0013)	TM	<hhmmss>	ALWAYS	AUTO

8.1.1.5.4 Comprehensive Structured Report Modules

Table 8.24
SR DOCUMENT SERIES MODULE OF CREATED COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Modality	(0008,0060)	CS	"SR"	ALWAYS	AUTO
Series Instance UID	(0020,000E)	UI	Auto-generated	ALWAYS	AUTO
Series Number	(0020,0011)	IS	A number unique within the Study	ALWAYS	AUTO
Referenced Performed Procedure Step Sequence	(0008,1111)	SQ	Identifies the MPPS SOP Instance to which this image is related	ALWAYS	MPPS
>Referenced SOP Class UID	(0008,1150)	UI	PPS SOP Class = "1.2.840.10008.3.1.2.3.3"	ALWAYS	MPPS
> Referenced SOP Instance UID	(0008,1155)	UI	PPS Instance UID of the PPS generating this document	ALWAYS	MPPS

Table 8.25
SR DOCUMENT GENERAL MODULE OF CREATED COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Instance Number	(0020,0013)	IS	Unique number	ALWAYS	AUTO
Completion Flag	(0040,A491)	CS	PARTIAL	ALWAYS	AUTO
Verification Flag	(0040,A493)	CS	UNVERIFIED	ALWAYS	AUTO
Content Date	(0008,0023)	DA	Date content created.	ALWAYSUA	AUTO
Content Time	(0008,0033)	TM	Time content created.	ALWAYS	AUTO
Predecessor Documents Sequence	(0040,A360)	SQ	Used when Send of Demand is used and Send Structured Reports with Send on Demand is selected. Will indicate the preceding SR sent in the study.	ANAP	AUTO
>Study Instance UID	(0020,000D)	UI	Study's UID	ANAP	AUTO
>Referenced Series Sequence	(0008,1115)	SQ	Identifies the Series containing the referenced SR	ALWAYS	AUTO
>>Referenced SOP Sequence	(0008,1199)	SQ	SOP Instance UID for SR Series in the study	ALWAYS	AUTO
>>> Referenced SOP Class	(0008,1150)	UI	Comprehensive SR SOP Class 1.2.840.10008.5.1.4.1.1.88.33	ALWAYS	AUTO
>>> Referenced SOP Instance UID	(0008,1155)	UI	SOP Instance UID of the preceding SR in the study	ALWAYS	AUTO
Referenced Request Sequence	(0040,A370)	SQ	Identifies Requested Procedures being fulfilled (completely or partially) by creation of this Document.	ANAP	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>Study Instance UID	(0020,000D)	UI	Same value as in MWL or auto generated	ALWAYS	MWL/ AUTO
>Referenced Study Sequence	(0008,1110)	SQ	1 item per item in MWL, zero length if unscheduled	ANAPVNAP	MWL
>>Referenced SOP Class UID	(0008,1150)	UI	Identifies the Referenced SOP Class	ANAP	MWL
>>Referenced SOP Instance UID	(0008,1155)	UI	Instance UID	ANAP	MWL
>Accession Number	(0008,0050)	SH	Same attribute of MWL or user PDE input.	VNAP	MWL/ USER
>Placer Order Number/Imaging Service Request	(0040,2016)	LO	Order Number of Imaging Service Request assigned by placer	VNAP	MWL
>Filler Order Number/Imaging Service Request	(0040,2017)	LO	Order Number of Imaging Service Request assigned by filler	VNAP	MWL
>Requested Procedure ID	(0040,1001)	SH	1 item per item in MWL, absent if unscheduled	ANAP	MWL
>Requested Procedure Description	(0032,1060)	LO	1 item per item in MWL, absent if unscheduled	ANAP	MWL
>Requested Procedure Code Sequence	(0032,1064)	SQ	1 item per item in MWL, zero length if unscheduled	VNAP	MWL
Performed Procedure Code Sequence	(0040,A372)	SQ	Codes of the performed procedure, zero length if unscheduled	VNAP	AUTO/ MWL

Table 8.26
SR DOCUMENT CONTENT MODULE OF CREATED COMPREHENSIVE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
Content Template Sequence	(0040,A504)	SQ		ALWAYS	AUTO
>Template Identifier	(0040,DB00)	CS	The Root Content Item identifies TID 5000 (OB-GYN), 5100 (Vascular). 5200 (Echo), TID 5220 or 995300 (Ped Echo).	ALWAYS	AUTO
>Mapping Resource	(0008,0105)	CS	DCMR	ALWAYS	AUTO
Content Sequence	(0040,A730)	SQ		ALWAYS	AUTO

Attribute Name	Tag	VR	Value	Presence of Value	Source
>Relationship Type	(0040,A010)	CS	Template ID 5000 for OB-GYN Section A.4 Template ID 5100 for Vascular Section A.5 Template ID 5200 for Adult Echo Section A.6 Template ID 5220 for Ped,Fetal,Cong Section A.7 Template ID 995300 for private Ped Section A.8	ALWAYS	AUTO
Document Relationship Macro Table			Template ID 5000 for OB-GYN Section A.4 Template ID 5100 for Vascular Section A.5 Template ID 5200 for Adult Echo Section A.6 Template ID 5220 for Ped,Fetal,Cong Section A.7 Template ID 995300 for private Ped Section A.8	ANAP	AUTO
Document Content Macro			Template ID 5000 for OB-GYN Section A.4 Template ID 5100 for Vascular Section A.5 Template ID 5200 for Adult Echo Section A.6 Template ID 5220 for Ped,Fetal,Cong Section A.7 Template ID 995300 for private Ped Section A.8	ALWAYS	AUTO
Value Type	(0040,A040)	CS	CONTAINER, always first attribute of SR Additional values used: TEXT, NUM, DATE, CODE, IMAGE, SCOORD	ALWAYS	AUTO
Concept Name Code Sequence	(0040,A043)	SQ		ALWAYS	AUTO
>Code Value	(0008,0100)		125000, 125100, 125200, 125195, or 995300	ALWAYS	AUTO
>Coding Scheme Designator	(0008,0102)		DCM	ALWAYS	AUTO
>Code Meaning	(0008,0104)		“OB-GYN Ultrasound Procedure Report”, “Vascular Ultrasound Procedure Report”, “Adult Echocardiography Procedure Report” “Pediatric Ultrasound Procedure Report” or “Pediatric Echocardiography Procedure Report”	ALWAYS	AUTO
Continuity of Content	(0040,A050)	CS	SEPARATE	ALWAYS	AUTO
Spatial Coordinates Macro			If and only if Value Type (0040,A040) = SCOORD	ANAP	AUTO
Graphic Data	(0070,0022)		Order set of Column \ Row pairs defining positions in a reference image	ANAP	AUTO
Graphic Type	(0070,0023)		Polyline	ANAP	AUTO
Numeric Measurement Macro			Template ID 5000 for OB-GYN Section A.4 Template ID 5100 for Vascular Section A.5 Template ID 5200 for Adult Echo Section A.6 Template ID 5220 for Ped,Fetal,Cong Section A.7 Template ID 995300 for private Ped Section A.8	ALWAYS	AUTO
Code Macro			Template ID 5000 for OB-GYN Section A.4 Template ID 5100 for Vascular Section A.5 Template ID 5200 for Adult Echo Section A.6 Template ID 5220 for Ped,Fetal,Cong Section A.7 Template ID 995300 for private Ped Section A.8	ALWAYS	AUTO

Table 8.27
SOP COMMON MODULE OF CREATED COMPOSITE SR SOP INSTANCES

Attribute Name	Tag	VR	Value	Presence of Value	Source
SOP Class UID	(0008,0016)	UI	1.2.840.10008.5.1.4.1.1.88.33	ALWAYS	AUTO
SOP Instance UID	(0008,0018)	UI	Generated by device	ALWAYS	AUTO
Specific Character Set	(0008,0005)	CS	“None”, unless required by characters used	ALWAYS	CONFIG

8.1.2 Usage of Attributes from Received IOD’s

The attributes of images imported to EPIQ are stored with level 2 conformance, are used in the display of these images, and are exported if the imported images are exported from EPIQ.

The usage of attributes received via Modality Worklist C-FIND is described in Section 4.2.2.3.1.3.

8.1.3 Attribute Mapping

Table 8.28 summarizes the relationships between attributes received via MWL, stored in acquired images and communicated via MPPS. The format and conventions used in Table 8.28 are the same as the corresponding table in IHE Technical Framework, Rev. 11.0 07-24-2012, vol. II: Transactions.

Table 8.28
ATTRIBUTE MAPPING BETWEEN MODALITY WORKLIST, IMAGE AND MPPS

Modality Worklist	Image IOD	MPPS IOD
Patient's Name	Patient's Name	Patient's Name
Patient ID	Patient ID	Patient ID
Patient's Birth Date	Patient's Birth Date	Patient's Birth Date
Patient's Sex	Patient's Sex	Patient's Sex
Patient's Weight	Patient's Weight	
Referring Physician's Name	Referring Physician's Name	
----	----	Scheduled Step Attributes Sequence
Study Instance UID	Study Instance UID	>Study Instance UID
Referenced Study Sequence	Referenced Study Sequence	>Referenced Study Sequence
Accession Number	Accession Number	>Accession Number
----	Request Attributes Sequence	----
Requested Procedure ID	>Requested Procedure ID	>Requested Procedure ID
Requested Procedure Description	>Requested Procedure Description	>Requested Procedure Description
Scheduled Procedure Step ID	>Scheduled Procedure Step ID	>Scheduled Procedure Step ID
Scheduled Procedure Step Description	>Scheduled Procedure Step Description > Series Description > Performed Procedure Step Description	>Scheduled Procedure Step Description
Scheduled Protocol Code Sequence	>Scheduled Protocol Code Sequence	----
----	Performed Protocol Code Sequence	Performed Protocol Code Sequence
----	Study ID – Requested Procedure ID from MWL, else generated	Study ID – Requested Procedure ID from MWL, else generated
----	Performed Procedure Step ID	Performed Procedure Step ID
----	Performed Procedure Step Start Date	Performed Procedure Step Start Date
----	Performed Procedure Step Start Time	Performed Procedure Step Start Time
----	Performed Procedure Step Description	Performed Procedure Step Description
----	----	Performed Series Sequence
Requested Procedure Code Sequence	Procedure Code Sequence	Procedure Code Sequence
----	Referenced Performed Procedure Step Sequence	----
----	>Referenced SOP Class UID	SOP Class UID
----	>Referenced SOP Instance UID	SOP Instance UID
----	Protocol Name	Protocol Name

8.1.4 Coerced/Modified Fields

The MWL AE will truncate attribute values received in the response to a MWL Query if the value length is longer than the maximum length permitted by the attribute's VR.

8.1.5 Attribute Anonymization

The EPIQ supports basic anonymization in that a set of identifying DICOM attributes that are stored to media will be either removed or replaced with non-identifying data, according to the HIPAA guidelines for anonymization.

The option to deidentify is available at the time of export for the manual send to media workflows.

Table 8.29 contains a list of attributes containing patient identification and how EPIQ processing the attribute value when DICOM deidentification is selected on export. This table is derived from DICOM 2007 PS3.15 Annex E, Table E.1-1. Note most attrubytes are labeled 'Keep' because they are not classified as identifying by the United States Health Insurance Portability and Accountability Act of 1996 (HIPAA) Safe-Harbor DeIdentification Guidelines.

Table 8.29
DICOM ATTRIBUTES CONTAINING PATIENT IDENTIFYING INFORMATION

Attribute Name	Tag	Delete / Replace/Keep?	DICOM Type	Identifying?
SOP Instance UID	(0008,0018)	Modify	1	Yes
Accession Number	(0008,0050)	Keep	2	No
Institution Name	(0008,0080)	Keep	3	No
Referring Physician's Name	(0008,0090)	Keep	2	No
Station Name	(0008,1010)	Keep	3	No
Study Description	(0008,1030)	Keep	3	No
Operators' Name	(0008,1070)	Keep	3	No
Referenced SOP Instance UID	(0008,1155)	Modify	1C	Yes
Derivation Description	(0008,2111)	Keep	3	No
Patient's Name	(0010,0010)	Replace*	2	Yes
Patient ID	(0010,0020)	Replace*	2	Yes
Patient's Birth Date	(0010,0030)	Delete	2	Yes
Patient's Sex	(0010,0040)	Delete	2	Yes
Patient's Size	(0010,1020)	Keep	3	No
Patient's Weight	(0010,1030)	Keep	3	No
Patient Comments	(0010,4000)	Keep	3	No
Device Serial Number	(0018,1000)	Keep	3	No
Protocol Name	(0018,1030)	Keep	3	No
Study Instance UID	(0020,000D)	Modify	1	Yes
Series Instance UID	(0020,000E)	Modify	1	Yes
Performed Procedure Step Start Date	(0040,0244)	Delete	3	Yes
Performed Procedure Step End Date	(0040,0250)	Delete	3	Yes
Study Date	(0008,0020)	Delete	2	Yes
Series Date	(0008,0021)	Delete	3	Yes
Acquisition Date	(0008,0022))	Delete	3	Yes
Acquisition Date/Time	(0008,002A)	Delete	3	Yes
Instance Creation Date	(0008,0012)	Delete	3	Yes
Study ID*	(0020,0010)	Delete	2	Yes

Attribute Name	Tag	Delete / Replace/Keep?	DICOM Type	Identifying?
Performed Procedure Step ID *	(0040,0253)	Delete	1C	Yes
Image Date	(0008,0023)	Delete	2C	Yes

- We will replace the Patient Name with an unidentifiable string composed of a prefix 'DeId-' and followed by a unique numeric sequence,
- We wll replace the Patient ID with a new generated unique ID.
- All noted Instance UIDs are modified because the Voyager generated instance UID's are generated at the time of the start of the procedure and suffixed with a date/time string noting the current date and time. Because all manner of dates are considered identifying, the date and time portion of these strings is replaced with a new date and time at the time of export. In this way we can be sure that they can not be linked back to the original date and time of the study. Referenced SOP instance UID links are maintained.
- The Study ID and Performed Procedure Step ID on Voyager include date strings, and thus must be removed.

8.2 DATA DICTIONARY OF PRIVATE ATTRIBUTES

Philips private attributes in groups 0x2001 and 0x200D may be included in objects created by EPIQ.

8.3 CODED TERMINOLOGY AND TEMPLATES

The Workflow AE is capable of supporting arbitrary coding schemes for Procedure and Protocol Codes. The contents of Requested Procedure Code Sequence (0032,1064) and Scheduled Protocol Code Sequence (0040,0008) supplied in Worklist Items will be mapped to Image IOD and MPPS attributes as described in Table 8.28.

Structured Reporting uses codes supplied by DCMR (DICOM Code Mapping Resource, PS 3-16), LOINC, SRT and 99PMSBLUS (Philips Private Codes for Ultrasound).

8.4 GRAYSCALE IMAGE CONSISTENCY

The high-resolution display monitor is calibrated according to the Grayscale Standard Display Function (GSDF).

8.5 STANDARD EXTENDED/SPECIALIZED/PRIVATE SOP CLASSES

8.5.1 Ultrasound Image and Multi-frame Image SOP Classes

The US or US Multiframe Image Storage SOP Classes are extended to create a Standard Extended SOP Class by addition of standard and private attributes to the created SOP Instances as documented in section 8.1 as well as the standard attributes listed in Table 8.30.

Table 8.30
ULTRASOUND IMAGE EXTENDED ATTRIBUTES

Tag	Attribute Name	Added to
(0028,0030)	Pixel Spacing	Images with a single 2D region or dual 2D with same depth
(0008,0068)	Presentation Intent Type	Indicates that Pixel Data (7FE0,0010) contains 3D volume data
(0008,2112)	Source Image Sequence	Extended to use codes from CID 7205. See Table 8.31.

Pixel Spacing (0028,0030) is added to the exported DICOM file when the user has configured this attribute to be included and the image contains only one 2D calibration region and no Doppler or M-Mode calibration regions. This attribute is system generated, if used:

- **Contain the Pixel Spacing attribute:** 2D still, 2D loop, 2D color still, 2D color loop, MMode Preview Still, PW Preview Still, CW Preview still, Dual with same calibration on both images.
- **Do NOT contain the Pixel Spacing attribute:** MMode live trace, MMode frozen trace, PW live trace, PW Frozen trace, CW live trace, CW frozen trace, Reports and dual images with different calibration on each image.

Ultrasound Multi frame Image instances may be used to store 3D and 4D ultrasound volume information. The presence of the Presentation Intent Type (0008,0068) value "FOR PRESENTATION" indicates that Pixel Data (7FE0,0010) contains spatially related frames of a 3D volume rather than the normal temporally related frames. 3D Temporal (a.k.a. 4D) volume information is stored using private attributes within a normal Ultrasound Multi frame Image object.

The private attributes that are sent via network or media are dependent on settings for the specific destination, as found in "Print/Network>Device Selection and either the "Media" tab or "Archive" tab and the "Advanced" button for the highlighted archive device.

Table 8.31
SOURCE IMAGE SEQUENCE ITEM EXTENDED ATTRIBUTES

Attribute Name	Tag	Type	VR	Description	Value
Source Image Sequence	(0008,2112)	3	SQ	The set of Image SOP Class/Instance pairs of the Images that were used to derive this image.	
>Purpose of Reference Code Sequence	(0040,A170)	3	SQ	Describes the purpose for which the reference is made.	
>> Code Value	(0008,0100)	1	SH	Code Value	121324
>>Code Meaning	(0008,0104)	1	LO	Code Meaning	Source Image

8.5.2 3D Presentation State Private SOP Class

EPIQ may create instances of the following Private SOP Class:

Table 8.32
PRIVATE SOP CLASS FOR 3D PRESENTATION STATE

SOP Class Name	SOP Class UID	SCU	SCP
Private 3D Presentation State	1.3.46.670589.2.5.1.1	Yes	No

8.6 PRIVATE TRANSFER SYNTAXES

There are no Private Transfer Syntaxes.

A APPENDIX A – Structured Reports

A.1 STRUCTURED REPORTS

A.1.1 Introduction

EPIQ implements Structured Report Templates TID 5000 (OB-GYN Ultrasound Procedure Report), TID 5100 (Vascular Ultrasound Report), TID 5200 (Echocardiography Procedure Report) and TID 5220 (Pediatric, Fetal and Congenital Cardiac Ultrasound Reports) from DICOM PS 3.16 and Private TID 995300 (Ped Echo) based on Supplement 78 version 2, May 8 2004. This Appendix describes the manner that EPIQ measurements appear in DICOM reports.

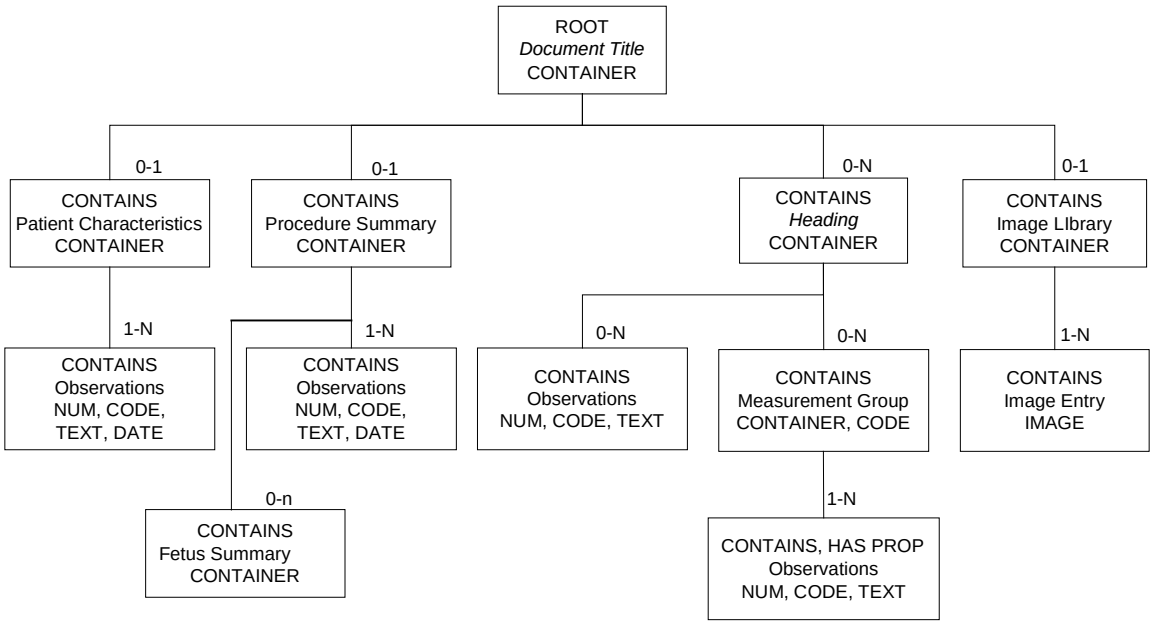
This Appendix contains tables of the measurement and calculations displayed on EPIQ calculation screens and the data dictionary of all code values, coding scheme designators and code meanings associated with those measurements and labels. There is no attempt to provide all tags that will be sent in the SR object. For those specifics, please refer to DICOM PS3.3, 3.16 and 3.17 for complete discussion on Comprehensive SR Storage SOP Class support and the Templates described here.

DICOM PS 3.17 of the DICOM Standard includes tree diagrams showing graphic examples of the structure of each template.

Briefly, an Structured Report (SR) document will contain only the measurements, calculations and observations made during the exam. Its exact structure is therefore determined by two main components, the measurements that are available within the context of the template and its referenced Templates and Context groups, and those measurements and calculations that are implemented on the system creating the report. Supplementing these constraints are private and user defined measurements and calculations, which may be added if the Root Container Template is extensible.

In EPIQ, the calculation packages contain a combination of template and user defined measurements and calculations. This Appendix contains a description of the calculation packages on each system and the related templates that support them. See the table in the Clinical Scope section below.

In each template section, there is a brief description of the mapping of measurement and calculation labels as they appear on EPIQ's Touch Screen buttons when the Analysis feature is enabled.



A.1.1.1 Measurements Linked to Images

Spatial Coordinates (as defined by TID 320 row 3) are included for measurement sub-results whose measurement tools have been captured in an image (as defined by TID 300 row 13).
There are three special cases in which the Value Multiplicity for DTID 320 shall be greater than one:

a. If more than one image is captured of the same measurement tool, the sub-result will reference each image.
b. For a complex measurement tool (the Simpson's Method of Disk Volume measurement) which with one user action creates 22 unique spatial coordinates, the first 20 spatial coordinate shall be the Chord values, the 21st spatial coordinate shall be the ventricular length measurement, and the 22nd spatial coordinate shall be the ventricular area measurement.
c. For Doppler velocity measurements made with a two-point or trace tool, there shall be two spatial coordinates per measurement. The first shall be the single point associated with the velocity measurement, and the second shall consist of all the points of the measurement tool.

A.1.2 Clinical Scope

The supported measurements are located in Calcs packages accessed with the "Measure" hard key on EPIQ. . Measurements for a given SR section may come from several calcs sidebars/touch screens.

A.2 APPLICATIONS THAT EXPORT STRUCTURED REPORTS FROM EPIQ

The following table illustrates the calculation packages that are on EPIQ, which will export Structured Reports when selecting the Change Calcs option.

Y = will export an SR, N = No SR Exported

Applications	Template ID	Notes
OB	TID 5000 Section A.4	
GYN	TID 5000 Section A.4	
Small Parts	N/A	Not supported
Fetal Echo	N/A	Not supported
Pediatric Echo	TID 5220 Section A.7 TID 995300 Section A.8	Private template
General	N/A	No export
Vascular	TID 5100A.8 Section A.5	Includes Abdominal
Abdominal	TID 5100A.8 Section A.5	
TCD	TID 5100A.8 Section A.5	
Adult Echo	TID 5200 Section A.6	

See the appropriate Template Section for details on specific outputs from the system.

The mapping tables that follow illustrate the relationship between system calculation package labels as represented on the screen and on-system report displays and relate them to the associated code representations.

Each section, OB-GYN, Vascular, Echo and both Ped Echo begins with a table detailing the relationships of the mapping table contents to the Templates, and the specified Context groups.

The Patient Data Entry (PDE) and Study Info Mapping section describes the labels of the fields present in the user interface that will be sent with the Structured Report, and referenced template and date types.

A.3 GENERAL STUDY INFO

In the table below, the following terms are used:
CSD Coding Scheme Designator
CV Code Value
CM Code Meaning

CSV	CV	CM	Type
DCM	121022	Accession Number	TEXT
DCM	121106	Comment	TEXT
LN	8302-2	Patient Height	NUM
LN	29463-7	Patient Weight	NUM
99PMSBLUS	T9910-08	Referring Physician	TEXT
DCM	121093	Sonographer	TEXT
99PMSBLUS	T9910-105	Study date	DATE
99PMSBLUS	T9910-07	Study Description	TEXT
DCM	121031	Subject Birth Date	DATE
DCM	121030	Subject ID	TEXT
DCM	121029	Subject Name	TEXT
DCM	121032	Subject Sex	TEXT

A.4 TID 5000 OB-GYN ULTRASOUND PROCEDURE REPORT

The following tables present information used in Structured Reports for this template.

The tables are sorted by the Label value, which corresponds to the label displayed in the analysis application and reports displayed on the system.

All system measurements and calculations exported will be listed by alphabetically by Label Name. The table will include the actual Coding Scheme Designator, Code Value and Code Meaning used for that label.

A.4.1 Reference for the columns in the mapping table to TID 5000

A.4.2 Application: OB Measurements

In the table below, the following terms are used:

CSD	Coding Scheme Designator
CV	Code Value
CM	Code Meaning
Mod Type	Concept Modifier Type

"Mod Type" Field

Group	The report group as defined by the CSD
Site	The finding site as specified by the template
Concept	The code sequence as defined by the CSD
Result	Result identifier
Units	Units identifier

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
AC	Circumference	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11979-2	Abdominal Circumference	unilateral
		units	UCUM	mm	mm	unilateral
Adr Gland AP	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-22	Adrenal Gland Antero-posterior Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Adr Gland L	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-21	Adrenal Gland Longitudinal Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Adr Gland Tr	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-23	Adrenal Gland Transverse Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Ao Annul Diam	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-21	Aortic Annulus Diameter	unilateral
		units	UCUM	mm	mm	unilateral
AoR Diam (2D)	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	LN	18015-8	Aortic Root Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Aorta	DopAngle	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	SRT	T-42000	Aorta	unilateral
		result	99PMSBLUS	C12122-01	Doppler Correction Angle	unilateral
		units	UCUM	deg	deg	unilateral
Aorta	EDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	11653-3	End Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Aorta	MDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	11665-7	Minimum Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Aorta	TAPV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	11692-1	Time averaged peak velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Aorta	PSV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	11726-7	Peak Systolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Aorta	PI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	12008-9	Pulsatility Index	unilateral
		units	UCUM	1	no units	unilateral
Aorta	RI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	12023-8	Resistivity Index	unilateral
		units	UCUM	1	no units	unilateral
Aorta	SD	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
		units	UCUM	1	no units	unilateral
Aorta	AccelIndex	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	20167-3	Acceleration Index	unilateral
		units	UCUM	mm/s2	mm/s2	unilateral
Aorta	AccelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	20168-1	Acceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Aorta	DecelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	20217-6	Deceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Aorta	PG	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	20247-3	Peak Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Aorta	PGmean	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	20256-4	Mean Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Aorta	TAMV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	20352-1	Time averaged mean velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Aorta	VTI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	20354-7	Velocity Time Integral	unilateral
		units	UCUM	mm	mm	unilateral
Aorta	HeartRate	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	LN	8867-4	Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
Aorta	Distance	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42000	Aorta	unilateral
		result	SRT	G-0364	Vessel lumen diameter	unilateral
		units	UCUM	mm	mm	unilateral
APAD	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11818-2	Anterior-Posterior Abdominal Diameter	unilateral
		units	UCUM	mm	mm	unilateral
APTD	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11818-2	Anterior-Posterior Trunk Diameter	unilateral
		units	UCUM	mm	mm	unilateral
APThD	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-07	Anterior-Posterior Thoracic Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Asc Ao Diam (2D)	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	LN	18012-5	Ascending Aortic Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Bladder AP	Distance	group	DCM	125002	Fetal Biometry	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	99PMSBLUS	C12011-19	Bladder Antero-posterior Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Bladder H	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	99PMSBLUS	C12011-03	Bladder Height	unilateral
		units	UCUM	mm	mm	unilateral
Bladder L	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-18	Bladder Longitudinal Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Bladder L	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	99PMSBLUS	C12011-01	Bladder Length	unilateral
		units	UCUM	mm	mm	unilateral
Bladder Tr	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-20	Bladder Transverse Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Bladder W	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	99PMSBLUS	C12011-02	Bladder Width	unilateral
		units	UCUM	mm	mm	unilateral
BPD	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11820-8	Biparietal Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Breathing	bpp	group	DCM	125006	Biophysical Profile	unilateral
		concept	LN	11632-7	Fetal Breathing	unilateral
		units	UCUM	1	no units	unilateral
Cerebellum	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11863-8	Trans Cerebellar Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Cerv Length	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	LN	11961-0	Cervix Length	unilateral
		units	UCUM	mm	mm	unilateral
Cerv Length	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	LN	11961-0	Cervix Length	unilateral
		units	UCUM	mm	mm	unilateral
Cist Mag	Distance	group	DCM	125004	Fetal Cranium	unilateral
		concept	LN	11860-4	Cisterna Magna length	unilateral
		units	UCUM	mm	mm	unilateral
Clavicle	Distance	group	DCM	125003	Fetal Long Bones	unilateral
		concept	LN	11962-8	Clavicle length	unilateral
		units	UCUM	mm	mm	unilateral
CRL	Distance	group	DCM	125009	Early Gestation	unilateral
		concept	LN	11957-8	Crown Rump Length	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		units	UCUM	mm	mm	unilateral
Desc Ao	DopAngle	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	99PMSBLUS	C12122-01	Doppler Correction Angle	unilateral
		units	UCUM	deg	deg	unilateral
Desc Ao	EDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	11653-3	End Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Desc Ao	MDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	11665-7	Minimum Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Desc Ao	TAPV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	11692-1	Time averaged peak velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Desc Ao	PSV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	11726-7	Peak Systolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Desc Ao	PI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	12008-9	Pulsatility Index	unilateral
		units	UCUM	1	no units	unilateral
Desc Ao	RI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	12023-8	Resistivity Index	unilateral
		units	UCUM	1	no units	unilateral
Desc Ao	SD	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
		units	UCUM	1	no units	unilateral
Desc Ao	AccelIndex	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	20167-3	Acceleration Index	unilateral
		units	UCUM	mm/s2	mm/s2	unilateral
Desc Ao	AccelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	20168-1	Acceleration Time	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		units	UCUM	ms	ms	unilateral
Desc Ao	DecelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	20217-6	Deceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Desc Ao	PG	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	20247-3	Peak Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Desc Ao	PGmean	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	20256-4	Mean Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Desc Ao	TAMV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	20352-1	Time averaged mean velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Desc Ao	VTI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	20354-7	Velocity Time Integral	unilateral
		units	UCUM	mm	mm	unilateral
Desc Ao	HeartRate	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	LN	8867-4	Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
Desc Ao	Distance	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-D0765	Descending Aorta	unilateral
		result	SRT	G-0364	Vessel lumen diameter	unilateral
		units	UCUM	mm	mm	unilateral
Desc Ao Diam (2D)	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	LN	18013-3	Descending Aortic Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Duct Art Diam (2D)	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-24	Ductus Arteriosus Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Duct Ven	DopAngle	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	99PMSBLUS	C12122-01	Doppler Correction Angle	unilateral
		units	UCUM	deg	deg	unilateral
Duct Ven	EDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	11653-3	End Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Duct Ven	MDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	11665-7	Minimum Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Duct Ven	TAPV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	11692-1	Time averaged peak velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Duct Ven	PSV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	11726-7	Peak Systolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Duct Ven	PI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	12008-9	Pulsatility Index	unilateral
		units	UCUM	1	no units	unilateral
Duct Ven	RI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	12023-8	Resistivity Index	unilateral
		units	UCUM	1	no units	unilateral
Duct Ven	SD	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
		units	UCUM	1	no units	unilateral
Duct Ven	AccelIndex	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	20167-3	Acceleration Index	unilateral
		units	UCUM	mm/s2	mm/s2	unilateral
Duct Ven	AccelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	20168-1	Acceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Duct Ven	DecelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	20217-6	Deceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Duct Ven	PG	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	20247-3	Peak Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Duct Ven	PGmean	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	20256-4	Mean Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Duct Ven	TAMV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	20352-1	Time averaged mean velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Duct Ven	VTI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	20354-7	Velocity Time Integral	unilateral
		units	UCUM	mm	mm	unilateral
Duct Ven	HeartRate	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	LN	8867-4	Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
Duct Ven	Distance	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	99PMSBLUS	C12141-01	Ductus Venosus	unilateral
		result	SRT	G-0364	Vessel lumen diameter	unilateral
		units	UCUM	mm	mm	unilateral
Ear	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-01	Ear length	unilateral
		units	UCUM	mm	mm	unilateral
Endo Thick	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	LN	12145-9	Endometrium Thickness	unilateral
		units	UCUM	mm	mm	unilateral
Fibula	Distance	group	DCM	125003	Fetal Long Bones	unilateral
		concept	LN	11964-4	Fibula length	unilateral
		units	UCUM	mm	mm	unilateral
FL	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11963-6	Femur Length	unilateral
		units	UCUM	mm	mm	unilateral
Fluid Volume	bpp	group	DCM	125006	Biophysical Profile	unilateral
		concept	LN	11630-1	Amniotic Fluid Volume	unilateral
		units	UCUM	1	no units	unilateral
Foll1	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		identifier	DCM	12510	1	bilateral
		units	UCUM	mm	mm	bilateral
Foll2	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	2	bilateral
		units	UCUM	mm	mm	bilateral
Foll3	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	3	bilateral
		units	UCUM	mm	mm	bilateral
Foll4	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	4	bilateral
		units	UCUM	mm	mm	bilateral
Foll5	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	5	bilateral
		units	UCUM	mm	mm	bilateral
Foll6	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	6	bilateral
		units	UCUM	mm	mm	bilateral
Foll7	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	7	bilateral
		units	UCUM	mm	mm	bilateral
Foll8	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	8	bilateral
		units	UCUM	mm	mm	bilateral
Foll9	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	9	bilateral
		units	UCUM	mm	mm	bilateral
Foll10	Distance	site	SRT	T-87600	Ovarian Follicle	bilateral
		concept	LN	11793-7	Follicle Diameter	bilateral
		identifier	DCM	12510	10	bilateral
		units	UCUM	mm	mm	bilateral
Foot	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11965-1	Foot length	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		units	UCUM	mm	mm	unilateral
FTA	Area	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-02	Fetal Trunk Cross Sectional Area	unilateral
		units	UCUM	mm2	mm2	unilateral
Gest Sac	Distance	group	DCM	125009	Early Gestation	unilateral
		concept	LN	11850-5	Gestational Sac Diameter	unilateral
		units	UCUM	mm	mm	unilateral
HC	Circumference	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11984-2	Head Circumference	unilateral
		units	UCUM	mm	mm	unilateral
Heart Area (2D)	Area	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-09	Heart Area	unilateral
		units	UCUM	mm2	mm2	unilateral
Heart Circ (2D)	Circumference	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-03	Heart Circumference	unilateral
		units	UCUM	mm	mm	unilateral
Heart Rate	HeartRate	group	DCM	125008	Fetus Summary	unilateral
		concept	LN	11948-7	Fetal Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
Humerus	Distance	group	DCM	125003	Fetal Long Bones	unilateral
		concept	LN	11966-9	Humerus length	unilateral
		units	UCUM	mm	mm	unilateral
Iliac Crest	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-28	Iliac Crest Dimension	unilateral
		units	UCUM	mm	mm	unilateral
IOD	Distance	group	DCM	125004	Fetal Cranium	unilateral
		concept	LN	33070-4	Inner Orbital Diameter	unilateral
		units	UCUM	mm	mm	unilateral
IVS (2D)	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-08	Interventricular Septum Thickness	unilateral
		units	UCUM	mm	mm	unilateral
L Lung Diam	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-24	Left Lung Diameter	unilateral
		units	UCUM	mm	mm	unilateral
L Ov Height	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11857-0	Left Ovary Height	unilateral
		units	UCUM	mm	mm	unilateral
L Ov Height	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11857-0	Left Ovary Height	unilateral
		units	UCUM	mm	mm	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
L Ov Length	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11840-6	Left Ovary Length	unilateral
		units	UCUM	mm	mm	unilateral
L Ov Length	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11840-6	Left Ovary Length	unilateral
		units	UCUM	mm	mm	unilateral
L Ov Width	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11829-9	Left Ovary Width	unilateral
		units	UCUM	mm	mm	unilateral
L Ov Width	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11829-9	Left Ovary Width	unilateral
		units	UCUM	mm	mm	unilateral
L Uterine A	DopAngle	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	99PMSBLUS	C12122-01	Doppler Correction Angle	unilateral
		units	UCUM	deg	deg	unilateral
L Uterine A	EDV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	11653-3	End Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
L Uterine A	MDV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	11665-7	Minimum Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
L Uterine A	TAPV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	11692-1	Time averaged peak velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
L Uterine A	PSV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	11726-7	Peak Systolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
L Uterine A	PI	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		result	LN	12008-9	Pulsatility Index	unilateral
		units	UCUM	1	no units	unilateral
L Uterine A	RI	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	12023-8	Resistivity Index	unilateral
		units	UCUM	1	no units	unilateral
L Uterine A	SD	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
		units	UCUM	1	no units	unilateral
L Uterine A	AccelIndex	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	20167-3	Acceleration Index	unilateral
		units	UCUM	mm/s2	mm/s2	unilateral
L Uterine A	AccelTime	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	20168-1	Acceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
L Uterine A	DecelTime	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	20217-6	Deceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
L Uterine A	PG	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	20247-3	Peak Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
L Uterine A	PGmean	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	20256-4	Mean Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
L Uterine A	TAMV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		result	LN	20352-1	Time averaged mean velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
L Uterine A	VTI	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	20354-7	Velocity Time Integral	unilateral
		units	UCUM	mm	mm	unilateral
L Uterine A	HeartRate	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	LN	8867-4	Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
L Uterine A	Distance	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A101	Left	unilateral
		result	SRT	G-0364	Vessel lumen diameter	unilateral
		units	UCUM	mm	mm	unilateral
LA Dimension	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-05	Left Atrium Dimension	unilateral
		units	UCUM	mm	mm	unilateral
LA Length	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-13	Left Atrium Length	unilateral
		units	UCUM	mm	mm	unilateral
LA Width	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-14	Left Atrium Width	unilateral
		units	UCUM	mm	mm	unilateral
Lat Vent	Distance	group	DCM	125004	Fetal Cranium	unilateral
		concept	LN	12171-5	Lateral Ventricle width	unilateral
		units	UCUM	mm	mm	unilateral
LLQ	Distance	site	SRT	T-F1300	Amniotic Sac	unilateral
		concept	LN	11625-1	Third Quadrant Diameter	unilateral
		units	UCUM	mm	mm	unilateral
LUQ	Distance	site	SRT	T-F1300	Amniotic Sac	unilateral
		concept	LN	11626-9	Second Quadrant Diameter	unilateral
		units	UCUM	mm	mm	unilateral
LV Dimension	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-04	Left Ventricle Dimension	unilateral
		units	UCUM	mm	mm	unilateral
LV Length	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-17	Left Ventricle Length	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		units	UCUM	mm	mm	unilateral
LV Width	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-18	Left Ventricle Width	unilateral
		units	UCUM	mm	mm	unilateral
LVOT Diam	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-06	LV Outflow Tract Diameter	unilateral
		units	UCUM	mm	mm	unilateral
M Phalanx 5	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-04	Length of middle Phalanx of the 5th Digit	unilateral
		units	UCUM	mm	mm	unilateral
Mandible	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-23	Mandible Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Movement	bpp	group	DCM	125006	Biophysical Profile	unilateral
		concept	LN	11631-9	Gross Body Movement	unilateral
		units	UCUM	1	no units	unilateral
MPA Diam (2D)	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	LN	18020-8	Main Pulmonary Artery Diameter	unilateral
		units	UCUM	mm	mm	unilateral
MV Annul Diam	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-22	Mitral Annulus Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Nasal	Distance	group	DCM	125003	Fetal Long Bones	unilateral
		concept	99PMSBLUS	C12006-01	Nasal Bone Length	unilateral
		units	UCUM	mm	mm	unilateral
Nuch Fold	Distance	group	DCM	125004	Fetal Cranium	unilateral
		concept	LN	12146-7	Nuchal Fold thickness	unilateral
		units	UCUM	mm	mm	unilateral
Nuch Luc	Distance	group	DCM	125009	Early Gestation	unilateral
		concept	LN	33069-6	Nuchal Translucency	unilateral
		units	UCUM	mm	mm	unilateral
OFD	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11851-3	Occipital-Frontal Diameter	unilateral
		units	UCUM	mm	mm	unilateral
OOD	Distance	group	DCM	125004	Fetal Cranium	unilateral
		concept	LN	11629-3	Outer Orbital Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Orbit1	Distance	group	DCM	125004	Fetal Cranium	unilateral
		concept	99PMSBLUS	C12007-01	Diameter of the First Orbit	unilateral
		units	UCUM	mm	mm	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
Orbit2	Distance	group	DCM	125004	Fetal Cranium	unilateral
		concept	99PMSBLUS	C12007-02	Diameter of the Second Orbit	unilateral
		units	UCUM	mm	mm	unilateral
Pelvis AP	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-14	Pelvis Antero-posterior Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Pelvis L	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-13	Pelvis Longitudinal Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Pelvis Tr	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-15	Pelvis Transverse Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Post Fossa	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-26	Post Fossa Dimension	unilateral
		units	UCUM	mm	mm	unilateral
PV Bladder H	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	99PMSBLUS	C12011-07	Post Void Bladder Height	unilateral
		units	UCUM	mm	mm	unilateral
PV Bladder L	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	99PMSBLUS	C12011-05	Post Void Bladder Length	unilateral
		units	UCUM	mm	mm	unilateral
PV Bladder W	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	99PMSBLUS	C12011-06	Post Void Bladder Width	unilateral
		units	UCUM	mm	mm	unilateral
R Lung Diam	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-25	Right Lung Diameter	unilateral
		units	UCUM	mm	mm	unilateral
MCA	DopAngle	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	99PMSBLUS	C12122-01	Doppler Correction Angle	unilateral
		units	UCUM	deg	deg	unilateral
MCA	EDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	11653-3	End Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
MCA	MDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	11665-7	Minimum Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
MCA	TAPV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	11692-1	Time averaged peak velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
MCA	PSV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	11726-7	Peak Systolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
MCA	PI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	12008-9	Pulsatility Index	unilateral
		units	UCUM	1	no units	unilateral
MCA	RI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	12023-8	Resistivity Index	unilateral
		units	UCUM	1	no units	unilateral
MCA	SD	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
		units	UCUM	1	no units	unilateral
MCA	AccelIndex	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	20167-3	Acceleration Index	unilateral
		units	UCUM	mm/s2	mm/s2	unilateral
MCA	AccelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	20168-1	Acceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
MCA	DecelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	20217-6	Deceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
MCA	PG	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	20247-3	Peak Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
MCA	PGmean	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	20256-4	Mean Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
MCA	TAMV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	20352-1	Time averaged mean velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
MCA	VTI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	20354-7	Velocity Time Integral	unilateral
		units	UCUM	mm	mm	unilateral
MCA	HeartRate	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	LN	8867-4	Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
MCA	Distance	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-45600	Middle Cerebral Artery	unilateral
		result	SRT	G-0364	Vessel lumen diameter	unilateral
		units	UCUM	mm	mm	unilateral
R Ov Height	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11858-8	Right Ovary Height	unilateral
		units	UCUM	mm	mm	unilateral
R Ov Height	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11858-8	Right Ovary Height	unilateral
		units	UCUM	mm	mm	unilateral
R Ov Length	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11841-4	Right Ovary Length	unilateral
		units	UCUM	mm	mm	unilateral
R Ov Length	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11841-4	Right Ovary Length	unilateral
		units	UCUM	mm	mm	unilateral
R Ov Width	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11830-7	Right Ovary Width	unilateral
		units	UCUM	mm	mm	unilateral
R Ov Width	Distance	site	SRT	T-87000	Ovary	unilateral
		concept	LN	11830-7	Right Ovary Width	unilateral
		units	UCUM	mm	mm	unilateral
R Uterine A	DopAngle	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	99PMSBLUS	C12122-01	Doppler Correction Angle	unilateral
		units	UCUM	deg	deg	unilateral
R Uterine A	EDV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		laterality	SRT	G-A100	Right	unilateral
		result	LN	11653-3	End Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
R Uterine A	MDV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	11665-7	Minimum Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
R Uterine A	TAPV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	11692-1	Time averaged peak velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
R Uterine A	PSV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	11726-7	Peak Systolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
R Uterine A	PI	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	12008-9	Pulsatility Index	unilateral
		units	UCUM	1	no units	unilateral
R Uterine A	RI	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	12023-8	Resistivity Index	unilateral
		units	UCUM	1	no units	unilateral
R Uterine A	SD	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
		units	UCUM	1	no units	unilateral
R Uterine A	AccelIndex	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	20167-3	Acceleration Index	unilateral
		units	UCUM	mm/s2	mm/s2	unilateral
R Uterine A	AccelTime	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		laterality	SRT	G-A100	Right	unilateral
		result	LN	20168-1	Acceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
R Uterine A	DecelTime	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	20217-6	Deceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
R Uterine A	PG	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	20247-3	Peak Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
R Uterine A	PGmean	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	20256-4	Mean Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
R Uterine A	TAMV	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	20352-1	Time averaged mean velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
R Uterine A	VTI	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	20354-7	Velocity Time Integral	unilateral
		units	UCUM	mm	mm	unilateral
R Uterine A	HeartRate	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	LN	8867-4	Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
R Uterine A	Distance	site	SRT	T-D6007	Pelvic Vascular Structure	unilateral
		concept	SRT	T-46820	Uterine Artery	unilateral
		laterality	SRT	G-A100	Right	unilateral
		result	SRT	G-0364	Vessel lumen diameter	unilateral
		units	UCUM	mm	mm	unilateral
RA Dimension	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-02	Right Atrium Dimension	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		units	UCUM	mm	mm	unilateral
RA Length	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-15	Right Atrium Length	unilateral
		units	UCUM	mm	mm	unilateral
RA Width	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-16	Right Atrium Width	unilateral
		units	UCUM	mm	mm	unilateral
Radius	Distance	group	DCM	125003	Fetal Long Bones	unilateral
		concept	LN	11967-7	Radius length	unilateral
		units	UCUM	mm	mm	unilateral
Renal AP	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-10	Renal Antero-posterior Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Renal L	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-09	Renal Longitudinal Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Renal Pelvis	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-12	Renal Pelvis Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Renal Tr	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-11	Renal Transverse Dimension	unilateral
		units	UCUM	mm	mm	unilateral
RLQ	Distance	site	SRT	T-F1300	Amniotic Sac	unilateral
		concept	LN	11623-6	Fourth Quadrant Diameter	unilateral
		units	UCUM	mm	mm	unilateral
RUQ	Distance	site	SRT	T-F1300	Amniotic Sac	unilateral
		concept	LN	11624-4	First Quadrant Diameter	unilateral
		units	UCUM	mm	mm	unilateral
RV Dimension	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-01	Right Ventricle Dimension	unilateral
		units	UCUM	mm	mm	unilateral
RV Length	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-19	Right Ventricle Length	unilateral
		units	UCUM	mm	mm	unilateral
RV Width	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-20	Right Ventricle Width	unilateral
		units	UCUM	mm	mm	unilateral
RVOT Diam	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-03	RV Outflow Tract Diameter	unilateral
		units	UCUM	mm	mm	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
Sac Diam1	Distance	group	DCM	125009	Early Gestation	unilateral
		concept	LN	11850-5	Gestational Sac Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Sac Diam2	Distance	group	DCM	125009	Early Gestation	unilateral
		concept	LN	11850-5	Gestational Sac Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Sac Diam3	Distance	group	DCM	125009	Early Gestation	unilateral
		concept	LN	11850-5	Gestational Sac Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Scapula	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-27	Scapula Dimension	unilateral
		units	UCUM	mm	mm	unilateral
SL	Distance	group	DCM	125009	Early Gestation	unilateral
		concept	LN	33071-2	Spine Length	unilateral
		units	UCUM	mm	mm	unilateral
TAD	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11862-0	Transverse Abdominal Diameter	unilateral
		units	UCUM	mm	mm	unilateral
ThC	Circumference	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11988-3	Thoracic Circumference	unilateral
		units	UCUM	mm	mm	unilateral
Thoracic Ao	AccelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	20168-1	Acceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Thoracic Ao	MDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	11665-7	Minimum Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Thoracic Ao	TAPV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	11692-1	Time averaged peak velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Thoracic Ao	DopAngle	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	99PMSBLUS	C12122-01	Doppler Correction Angle	unilateral
		units	UCUM	deg	deg	unilateral
Thoracic Ao	EDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	11653-3	End Diastolic Velocity	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		units	UCUM	mm/s	mm/s	unilateral
Thoracic Ao	PSV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	11726-7	Peak Systolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Thoracic Ao	PI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	12008-9	Pulsatility Index	unilateral
		units	UCUM	1	no units	unilateral
Thoracic Ao	RI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	12023-8	Resistivity Index	unilateral
		units	UCUM	1	no units	unilateral
Thoracic Ao	SD	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
		units	UCUM	1	no units	unilateral
Thoracic Ao	AccelIndex	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	20167-3	Acceleration Index	unilateral
		units	UCUM	mm/s2	mm/s2	unilateral
Thoracic Ao	DecelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	20217-6	Deceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Thoracic Ao	PG	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	20247-3	Peak Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Thoracic Ao	PGmean	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	20256-4	Mean Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Thoracic Ao	TAMV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	20352-1	Time averaged mean velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Thoracic Ao	VTI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	20354-7	Velocity Time Integral	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		units	UCUM	mm	mm	unilateral
Thoracic Ao	HeartRate	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	LN	8867-4	Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
Thoracic Ao	Distance	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-42070	Thoracic aorta	unilateral
		result	SRT	G-0364	Vessel lumen diameter	unilateral
		units	UCUM	mm	mm	unilateral
Tibia	Distance	group	DCM	125003	Fetal Long Bones	unilateral
		concept	LN	11968-5	Tibia length	unilateral
		units	UCUM	mm	mm	unilateral
Tone	bpp	group	DCM	125006	Biophysical Profile	unilateral
		concept	LN	11635-0	Fetal Tone	unilateral
		units	UCUM	1	no units	unilateral
TTD	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12005-08	Transverse Trunk Diameter	unilateral
		units	UCUM	mm	mm	unilateral
TThD	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	LN	11864-6	Transverse Thoracic Diameter	unilateral
		units	UCUM	mm	mm	unilateral
TV Annul Diam	Distance	group	99PMSBLUS	99999	Fetal Heart	unilateral
		concept	99PMSBLUS	P5000-01-23	Tricuspid Annulus Diameter	unilateral
		units	UCUM	mm	mm	unilateral
Ulna	Distance	group	DCM	125003	Fetal Long Bones	unilateral
		concept	LN	11969-3	Ulna length	unilateral
		units	UCUM	mm	mm	unilateral
Umbilical A	DopAngle	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	99PMSBLUS	C12122-01	Doppler Correction Angle	unilateral
		units	UCUM	deg	deg	unilateral
Umbilical A	EDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	11653-3	End Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Umbilical A	MDV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	11665-7	Minimum Diastolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Umbilical A	TAPV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	11692-1	Time averaged peak velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Umbilical A	PSV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	11726-7	Peak Systolic Velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Umbilical A	PI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	12008-9	Pulsatility Index	unilateral
		units	UCUM	1	no units	unilateral
Umbilical A	RI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	12023-8	Resistivity Index	unilateral
		units	UCUM	1	no units	unilateral
Umbilical A	SD	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
		units	UCUM	1	no units	unilateral
Umbilical A	AccelIndex	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	20167-3	Acceleration Index	unilateral
		units	UCUM	mm/s2	mm/s2	unilateral
Umbilical A	AccelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	20168-1	Acceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Umbilical A	DecelTime	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	20217-6	Deceleration Time	unilateral
		units	UCUM	ms	ms	unilateral
Umbilical A	PG	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	20247-3	Peak Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Umbilical A	PGmean	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	20256-4	Mean Gradient	unilateral
		units	UCUM	mmHg	mmHg	unilateral
Umbilical A	TAMV	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral

OB/Gyn Report Label	Result Type	MOD Type	CSD	CV	CM	Laterality
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	20352-1	Time averaged mean velocity	unilateral
		units	UCUM	mm/s	mm/s	unilateral
Umbilical A	VTI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	20354-7	Velocity Time Integral	unilateral
		units	UCUM	mm	mm	unilateral
Umbilical A	HeartRate	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	LN	8867-4	Heart Rate	unilateral
		units	UCUM	{H.B.}/min	bpm	unilateral
Umbilical A	Distance	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
		concept	SRT	T-F1810	Umbilical Artery	unilateral
		result	SRT	G-0364	Vessel lumen diameter	unilateral
		units	UCUM	mm	mm	unilateral
Ureter AP	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-16	Ureter Antero-posterior Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Ureter Tr	Distance	group	DCM	125002	Fetal Biometry	unilateral
		concept	99PMSBLUS	C12011-17	Ureter Transverse Dimension	unilateral
		units	UCUM	mm	mm	unilateral
Uterus Height	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	LN	11859-6	Uterus Height	unilateral
		units	UCUM	mm	mm	unilateral
Uterus Length	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	LN	11842-2	Uterus Length	unilateral
		units	UCUM	mm	mm	unilateral
Uterus Width	Distance	group	DCM	125011	Pelvis and Uterus	unilateral
		concept	LN	11865-3	Uterus Width	unilateral
		units	UCUM	mm	mm	unilateral
Yolk Sac	Distance	group	DCM	125009	Early Gestation	unilateral
		concept	LN	11816-6	Yolk Sac length	unilateral
		units	UCUM	mm	mm	unilateral

A.4.3 Application: OB Calculations

Report Label	MOD Type	CSD	CV	CM	Laterality
AC(c)	group	DCM	125002	Fetal Biometry	unilateral
	concept	LN	11979-2	Abdominal Circumference	unilateral
	derivation	DCM	121428	Calculated	unilateral

Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	mm	mm	unilateral
AFI	site	SRT	T-F1300	Amniotic Sac	unilateral
	concept	LN	11627-7	Amniotic Fluid Index	unilateral
	units	UCUM	mm	mm	unilateral
Ao/PA	group	99PMSBLUS	99999	Fetal Heart	unilateral
	concept	99PMSBLUS	P5000-01-11	Ratio of Aortic Root Diameter to Main PA Diameter	unilateral
	units	UCUM	1	no units	unilateral
APTDxTTD	group	DCM	125002	Fetal Biometry	unilateral
	concept	99PMSBLUS	C12005-10	APTDxTTD	unilateral
	units	UCUM	mm2	mm2	unilateral
AUA	group	DCM	125008	Fetus Summary	unilateral
	concept	LN	11888-5	Composite Ultrasound Age	unilateral
	units	UCUM	d	days	unilateral
Bladder Vol	group	DCM	125011	Pelvis and Uterus	unilateral
	concept	99PMSBLUS	C12011-04	Bladder Volume	unilateral
	units	UCUM	mm3	mm3	unilateral
BPDa	group	DCM	125002	Fetal Biometry	unilateral
	concept	LN	11824-0	BPD area corrected	unilateral
	units	UCUM	mm	mm	unilateral
BPP Score	group	DCM	125006	Biophysical Profile	unilateral
	concept	LN	11634-3	Biophysical Profile Sum Score	unilateral
	units	UCUM	1	no units	unilateral
CI	group	DCM	125001	Fetal Biometry Ratios	unilateral
	concept	LN	11823-2	Cephalic Index	unilateral
	units	UCUM	1	no units	unilateral
FL/AC	group	DCM	125001	Fetal Biometry Ratios	unilateral
	concept	LN	11871-1	FL/AC	unilateral
	units	UCUM	1	no units	unilateral
FL/BPD	group	DCM	125001	Fetal Biometry Ratios	unilateral
	concept	LN	11872-9	FL/BPD	unilateral
	units	UCUM	1	no units	unilateral
Foll1 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	1	bilateral
	units	UCUM	mm3	mm3	bilateral
	units	UCUM	mm3	mm3	bilateral
Foll2 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	2	bilateral
	units	UCUM	mm3	mm3	bilateral

Report Label	MOD Type	CSD	CV	CM	Laterality
Foll3 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	xxx	12510	3	bilateral
	units	UCUM	mm3	mm3	bilateral
Foll4 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	4	bilateral
	units	UCUM	mm3	mm3	bilateral
Foll5 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	5	bilateral
	units	UCUM	mm3	mm3	bilateral
Foll6 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	6	bilateral
	units	UCUM	mm3	mm3	bilateral
Foll7 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	7	bilateral
	units	UCUM	mm3	mm3	bilateral
Foll8 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	8	bilateral
	units	UCUM	mm3	mm3	bilateral
Foll9 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	9	bilateral
	units	UCUM	mm3	mm3	bilateral
Foll10 Volume	site	SRT	T-87600	Ovarian Follicle	bilateral
	concept	SRT	G-D705	Volume	bilateral
	identifier	DCM	12510	10	bilateral
FTA(c)	group	DCM	125002	Fetal Biometry	unilateral
	concept	LN	33068-8	Thoracic Area	unilateral
	derivation	DCM	121428	Calculated	unilateral
	units	UCUM	mm2	mm2	unilateral
GA(Con)	group	DCM	125008	Fetus Summary	unilateral
	concept	99PMSBLUS	C12019-02	Gestational Age by conception date	unilateral
	units	UCUM	d	days	unilateral
GA(EDD)	group	DCM	125008	Fetus Summary	unilateral
	concept	99PMSBLUS	C12019-03	Gestational Age by EDD	unilateral

Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	d	days	unilateral
GA(LMP)	group	DCM	125008	Fetus Summary	unilateral
	concept	LN	11885-1	Gestational Age by LMP	unilateral
	units	UCUM	d	days	unilateral
HC(c)	group	DCM	125002	Fetal Biometry	unilateral
	concept	LN	11984-2	Head Circumference	unilateral
	derivation	DCM	121428	Calculated	unilateral
	units	UCUM	mm	mm	unilateral
HC/AC	group	DCM	125001	Fetal Biometry Ratios	unilateral
	concept	LN	11947-9	HC/AC	unilateral
	units	UCUM	1	no units	unilateral
HrtC/ThrC	group	DCM	125002	Fetal Biometry	unilateral
	concept	99PMSBLUS	C12004-01	HrtC/TC (Heart Circumference/Thoracic Circumference)	unilateral
	units	UCUM	1	no units	unilateral
L Ov Volume	site	SRT	T-87000	Ovary	unilateral
	concept	LN	12164-0	Left Ovary Volume	unilateral
	units	UCUM	mm3	mm3	unilateral
L Ov Volume	site	SRT	T-87000	Ovary	unilateral
	concept	LN	12164-0	Left Ovary Volume	unilateral
	units	UCUM	mm3	mm3	unilateral
LA/Ao	group	DCM	125002	Fetal Biometry	unilateral
	concept	99PMSBLUS	P5000-01-12	Ratio of LA Dimension to Aortic Root Diameter	unilateral
	units	UCUM	1	no units	unilateral
LA/RA	group	99PMSBLUS	99999	Fetal Heart	unilateral
	concept	99PMSBLUS	P5000-01-10	Ratio of LA Dimension to RA Dimension	unilateral
	units	UCUM	1	no units	unilateral
LV/RV	group	99PMSBLUS	99999	Fetal Heart	unilateral
	concept	99PMSBLUS	P5000-01-09	Ratio of LV Dimension to RV Dimension	unilateral
	units	UCUM	1	no units	unilateral
MCA RI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
	concept	99PMSBLUS	C12121-02	Middle Cerebral Artery Resistivity Index	unilateral
	units	UCUM	1	no units	unilateral
MCA PI	site	SRT	SRT	Embryonic Vascular Structure	unilateral
	concept	99PMSBLUS	C12121-03	Middle Cerebral Artery Pulsatility Index	unilateral
	units	UCUM	1	no units	unilateral
Umb RI	site	SRT	SRT	Embryonic Vascular Structure	unilateral
	concept	99PMSBLUS	C12121-04	Umbilical Artery Resistivity Index	unilateral
	units	UCUM	1	no units	unilateral
Umb PI	site	SRT	T-F6800	Embryonic Vascular Structure	unilateral
	concept	99PMSBLUS	C12121-05	Umbilical Artery Pulsatility Index	unilateral

Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	1	no units	unilateral
Mean Sac Diam	group	DCM	125009	Early Gestation	unilateral
	concept	99PMSBLUS	C12009-04	Mean Sac Diameter	unilateral
	units	UCUM	mm	mm	unilateral
PV Bladder Vol	group	DCM	125011	Pelvis and Uterus	unilateral
	concept	99PMSBLUS	C12011-08	Post Void Bladder Volume	unilateral
	units	UCUM	mm3	mm3	unilateral
R Ov Volume	site	SRT	T-87000	Ovary	unilateral
	concept	LN	12165-7	Right Ovary Volume	unilateral
	units	UCUM	mm3	mm3	unilateral
R Ov Volume	site	SRT	T-87000	Ovary	unilateral
	concept	LN	12165-7	Right Ovary Volume	unilateral
	units	UCUM	mm3	mm3	unilateral
ThC(c)	group	DCM	125002	Fetal Biometry	unilateral
	concept	LN	11988-3	Thoracic Circumference	unilateral
	derivation	DCM	121428	Calculated	unilateral
	units	UCUM	mm	mm	unilateral
Uterus Volume	group	DCM	125011	Pelvis and Uterus	unilateral
	concept	LN	33192-6	Uterus Volume	unilateral
	units	UCUM	mm3	mm3	unilateral

A.4.4 OB Authors

A.4.4.1 Gestational Age

OB GA Author	CSD	CV	CM
Alexander	LN	33185-0	FWP by GA, Alexander, 1996
ASUM (2001)	99PMSBLUS	C12013-01	AC, ASUM 2001
ASUM (2001)	99PMSBLUS	C12013-02	BPD, ASUM 2001
ASUM (2001)	99PMSBLUS	C12013-05	CRL, ASUM 2001
ASUM (2001)	99PMSBLUS	C12013-06	FL, ASUM 2001
ASUM (2001)	99PMSBLUS	C12013-07	HC, ASUM 2001
ASUM (2001)	99PMSBLUS	C12013-09	Humerus, ASUM 2001
ASUM (2001)	99PMSBLUS	C12013-11	OFD, ASUM 2001
BMUS (2009)	99PMSBLUS	C12013-42	CRL, BMUS 2009
Brenner	LN	33189-2	FWP by GA, Brenner 1976
Chitty	LN	33098-5	FL, Chitty 1997
Chitty	99PMSBLUS	C12013-15	TCD, Chitty 1997
Chitty (Derived)	LN	33111-6	HC derived, Chitty 1997
Chitty (Measured)	LN	33110-8	HC measured, Chitty 1997
Chitty (Outer Inner)	99PMSBLUS	C12013-03	BPDa-oi, Chitty 1997

OB GA Author	CSD	CV	CM
Chitty (Outer Inner)	LN	33086-0	BPD-oi, Chitty 1997
Chitty (Outer Outer)	99PMSBLUS	C12013-04	BPDa-oo, Chitty 1997
Chitty (Outer Outer)	LN	33087-8	BPD-oo, Chitty 1997
Hadlock	LN	11892-7	AC, Hadlock 1984
Hadlock	LN	11902-4	BPD, Hadlock 1984
Hadlock	99PMSBLUS	C12013-14	BPDa, Hadlock 1984
Hadlock	LN	11910-7	CRL, Hadlock 1992
Hadlock	LN	11920-6	FL, Hadlock 1984
Hadlock	LN	11932-1	HC, Hadlock 1984
Hansmann	99PMSBLUS	C12013-13	AC, Hansmann 1986
Hansmann	LN	33538-0	BPD, Hansmann 1986
Hansmann	LN	33540-6	CRL, Hansmann 1986
Hansmann	LN	33541-4	FL, Hansmann 1986
Hansmann	LN	33106-6	GS, Hansmann 1982
Hansmann	LN	33543-0	HC, Hansmann 1986
Hansmann	LN	33544-8	OFD, Hansmann 1985
Hansmann	99PMSBLUS	C12013-41	TAD, Hansmann 1986
Hansmann	99PMSBLUS	C12013-18	Transverse Trunk Diameter, Hansmann 1986
Hellman	99PMSBLUS	C12013-10	MSD, Hellman 1969
Hill	LN	33134-8	TCD, Hill 1990
Jeanty	LN	11905-7	BPD, Jeanty 1984
Jeanty	LN	11923-0	FL, Jeanty 1984
Jeanty	LN	11936-2	Humerus, Jeanty 1984
Jeanty	99PMSBLUS	C12013-12	OOD, Jeanty 1984
Jeanty	LN	11941-2	Tibia, Jeanty 1984
Jeanty	LN	11944-6	Ulna, Jeanty 1984
JSUM (2001)	99PMSBLUS	C12013-22	CRL, JSUM 2001
Nimrod	99PMSBLUS	C12013-23	TC, Nimrod 1986
Nyberg	LN	33107-4	GS, Nyberg 1992
Osaka	99PMSBLUS	C12013-31	BPD, Osaka 1988
Osaka	99PMSBLUS	C12013-32	CRL, Osaka 1988
Osaka	99PMSBLUS	C12013-35	Fetal Trunk Cross-Sectional Area, Osaka 1988
Osaka	99PMSBLUS	C12013-33	FL, Osaka 1988
Osaka	99PMSBLUS	C12013-34	Humerus Length, Osaka 1988
Robinson	LN	11914-9	CRL, Robinson 1975
Shinozuka	99PMSBLUS	33076-1	AC, Shinozuka 1996
Shinozuka	LN	33078-7	AxT, Shinozuka 1996
Shinozuka	LN	33084-5	BPD, Shinozuka 1996
Shinozuka	LN	33095-1	CRL, Shinozuka 1996
Shinozuka	99PMSBLUS	C12013-20	EFW, Shinozuka 1996

OB GA Author	CSD	CV	CM
Shinozuka	LN	33102-5	FL, Shinozuka 1996
Tokyo	LN	33127-2	Spine Length, Tokyo, 1989
Verburg	99PMSBLUS	C12013-43	AC, Verburg 2007
Verburg	99PMSBLUS	C12013-37	BPD, Verburg 2008
Verburg	99PMSBLUS	C12013-36	CRL, Verburg 2008
Verburg	99PMSBLUS	C12013-45	FL, Verburg 2007
Verburg	99PMSBLUS	C12013-44	HC, Verburg 2007
Verburg	99PMSBLUS	C12013-46	TCD, Verburg 2007
Yarkoni	LN	33088-6	Clavical length,Yarkoni 1985

A.4.4.1.1 Estimated Fetal Weight

OB EFW Author	CSD	CV	CM
Hadlock (AC, BPD, FL)	LN	11735-8	EFW by AC, BPD, FL, Hadlock 1985
Hadlock (AC, BPD, FL, HC)	LN	11732-5	EFW by AC, BPD, FL, HC, Hadlock 1985
Campbell (AC)	LN	11756-4	EFW by AC, Campbell 1975
Hadlock (AC, FL)	LN	11751-5	EFW by AC, FL, Hadlock 1985
Hadlock (AC, FL, HC)	LN	11746-5	EFW by AC, FL, HC, Hadlock 1985
Shinozuka (AC, BPD, FL)	99PMSBLUS	C12014-01	EFW by AC, BPD and FL,Shinozuka 2000
Tokyo (BPD, APAD, TAD, FL)	99PMSBLUS	C12014-02	EFW by BPD, APAD, TAD, FL, Tokyo 1986
Osaka (BPD, FTA, FL)	LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990
Shinozuka	LN	33095-1	EFW, Shinozuka 1996

A.4.4.1.2 Fetal Weight Percentile

OB FWP Author	CSD	CV	CM
Alexander	LN	33185-0	FWP by GA, Alexander, 1996
Brenner	LN	33189-2	FWP by GA, Brenner 1976
Doubilet	99PMSBLUS	C12016-10	FWP by GA, Doubilet 1997
Hadlock	LN	33183-5	FWP by GA, Hadlock 1991
Philips Custom	99PMSBLUS	C12016-07	FWP by GA, Philips Custom
Williams (Female)	99PMSBLUS	C12016-06	FWP by GA, Williams (Female) 1982
Williams (Male)	99PMSBLUS	C12016-05	FWP by GA, Williams (Male) 1982
Shinozuka	99PMSBLUS	C12016-12	FWP by GA, Shinozuka 2000
Alexander	99PMSBLUS	C12016-09	FWP by MA, Alexander, 1996
Brenner	99PMSBLUS	C12016-03	FWP by MA, Brenner 1976
Doubilet	99PMSBLUS	C12016-11	FWP by MA, Doubilet 1997
Hadlock	99PMSBLUS	C12016-08	FWP by MA, Hadlock 1991
Philips Custom	99PMSBLUS	C12016-04	FWP by MA, Philips Custom
Shinozuka	99PMSBLUS	C12016-13	FWP by MA, Shinozuka 2000
Williams (Female)	99PMSBLUS	C12016-02	FWP by MA, Williams (Female) 1982

OB FWP Author	CSD	CV	CM
Williams (Male)	99PMSBLUS	C12016-01	FWP by MA, Williams (Male) 1982

A.4.4.2 OB/GYN Study Info

CSD	CV	CM	Type
99PMSBLUS	T9910-11	Abnormal Cycles	CHECK
LN	11612-9	Aborta	NUM
99PMSBLUS	T9910-12	Birth Control Medication	CHECK
99PMSBLUS	T9910-13	Birth Control Medication Duration	TEXT
99PMSBLUS	T9910-16	Bleeding	CHECK
99PMSBLUS	T9910-17	Bleeding Duration	TEXT
99PMSBLUS	T9910-18	Complete Hysterectomy	CHECK
99PMSBLUS	T9910-103	Diabetic	CHECK
99PMSBLUS	T9910-104	Diabetic Type	TEXT
LN	33065-4	Ectopic Pregnancies	NUM
99PMSBLUS	T9910-23	Endometrium	TEXT
99PMSBLUS	T9910-10	Expected Ovulation Date	DATE
LN	11996-6	Gravida	NUM
99PMSBLUS	T9910-100	Hormone Replacement Therapy	CHECK
99PMSBLUS	T9910-101	Hormone Replacement Therapy Year Started	TEXT
99PMSBLUS	T9910-102	Menopause	CHECK
99PMSBLUS	T9910-22	Ovary Surgery Bilateral	CHECK

A.5 TID 5100 VASCULAR ULTRASOUND PROCEDURE REPORT

The following tables present information used in Structured Reports for this template.

The tables are sorted by the Label value, which corresponds to the label displayed in the analysis application and reports displayed on the system.

All system measurements and calculations exported will be listed by alphabetically by Label Name. The table will include the actual Coding Scheme Designator, Code Value and Code Meaning used for that label.

In the table below, the following terms are used:

CSD	Coding Scheme Designator
CV	Code Value
CM	Code Meaning
Mod Type	Concept Modifier Type
Laterality	Describes laterality of vessel

"Mod Type" Field

Anatomy	The finding site as specified by the template
Concept	The code sequence as defined by the CSD
Section	The section as specified by the template
Segment	The name of the vessel segment
Units	Units of this measurement

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
ACA EDV	anatomy	SRT	T-45540	Anterior Cerebral Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ACA PI	anatomy	SRT	T-45540	Anterior Cerebral Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
ACA PSV	anatomy	SRT	T-45540	Anterior Cerebral Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ACA TAPV	anatomy	SRT	T-45540	Anterior Cerebral Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ACA TCD Mean	anatomy	SRT	T-45540	Anterior Cerebral Artery	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ACA TCD PI	anatomy	SRT	T-45540	Anterior Cerebral Artery	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
ACoA EDV	anatomy	SRT	T-45530	Anterior Communicating Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ACoA PI	anatomy	SRT	T-45530	Anterior Communicating Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	1	ratio	bilateral
ACoA PSV	anatomy	SRT	T-45530	Anterior Communicating Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ACoA TAPV	anatomy	SRT	T-45530	Anterior Communicating Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ACoA TCD Mean	anatomy	SRT	T-45530	Anterior Communicating Artery	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ACoA TCD PI	anatomy	SRT	T-45530	Anterior Communicating Artery	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
AI	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
		SRT	T-45100	Common Carotid Artery	bilateral
			T-45170	Carotid Bulb	bilateral
			T-45200	External Carotid Artery	bilateral
			T-45300	Internal Carotid Artery	bilateral
			T-45700	Vertebral Artery	bilateral
			T-46010	Innominate Artery	bilateral
			T-46100	Subclavian Artery	bilateral
			T-46710	Common Iliac Artery	bilateral
			T-46740	Internal Iliac Artery	bilateral
			T-46910	External Iliac Artery	bilateral
			T-47100	Axillary Artery	bilateral
			T-47160	Brachial Artery	bilateral
			T-47200	Ulnar Artery	bilateral
			T-47300	Radial Artery	bilateral
			T-47400	Common Femoral Artery	bilateral
			T-47403	Superficial Femoral Artery	bilateral
			T-47440	Profunda Femoris Artery	bilateral
			T-47500	Popliteal Artery	bilateral
			T-47600	Posterior Tibial Artery	bilateral
			T-47630	Peroneal Artery	bilateral
			T-47700	Anterior Tibial Artery	bilateral
			T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
			T-47020	Artery Of Upper Extremity	bilateral
			T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
			G-A119	Distal	bilateral
			G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Antecube PI	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Antecube RI	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Antecube S/D	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Ao % Area Reduction	anatomy	SRT	T-42000	Aorta	unilateral
	concept	SRT	G-0371	Percent Area Reduction	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	%	Percent	unilateral
Ao % Diam Reduction	anatomy	SRT	T-42000	Aorta	unilateral
	concept	SRT	G-0372	Percent Diameter Reduction	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	%	Percent	unilateral
Ao Area Resid	anatomy	SRT	T-42000	Aorta	unilateral
	concept	99PMSBLUS	C7471-01	Area 1 of Area Percent Reduction	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm2	Square Centimeter	unilateral
Ao Area True	anatomy	SRT	T-42000	Aorta	unilateral
	concept	99PMSBLUS	C7471-02	Area 2 of Area Percent Reduction	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm2	Square Centimeter	unilateral
Ao Diam Resid	anatomy	SRT	T-42000	Aorta	unilateral
	concept	99PMSBLUS	C7470-05	Diameter 1 of Diameter Reduction	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Ao Diam True	anatomy	SRT	T-42000	Aorta	unilateral
	concept	99PMSBLUS	C7470-06	Diameter 2 of Diameter Reduction	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Ao Dist Diam	anatomy	SRT	T-42000	Aorta	unilateral
	concept	SRT	G-0364	Vessel lumen diameter	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm	Centimeter	unilateral
Ao Mid Diam	anatomy	SRT	T-42000	Aorta	unilateral
	concept	SRT	G-0364	Vessel lumen diameter	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm	Centimeter	unilateral
Ao Prox Diam	anatomy	SRT	T-42000	Aorta	unilateral
	concept	SRT	G-0364	Vessel lumen diameter	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm	Centimeter	unilateral
Aorta PSV	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
AT	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
		SRT	T-45100	Common Carotid Artery	bilateral
			T-45170	Carotid Bulb	bilateral
			T-45200	External Carotid Artery	bilateral
			T-45300	Internal Carotid Artery	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
			T-45700	Vertebral Artery	bilateral
			T-46010	Innominate Artery	bilateral
			T-46100	Subclavian Artery	bilateral
			T-46710	Common Iliac Artery	bilateral
			T-46740	Internal Iliac Artery	bilateral
			T-46910	External Iliac Artery	bilateral
			T-47100	Axillary Artery	bilateral
			T-47160	Brachial Artery	bilateral
			T-47200	Ulnar Artery	bilateral
			T-47300	Radial Artery	bilateral
			T-47400	Common Femoral Artery	bilateral
			T-47403	Superficial Femoral Artery	bilateral
			T-47440	Profunda Femoris Artery	bilateral
			T-47500	Popliteal Artery	bilateral
			T-47600	Posterior Tibial Artery	bilateral
			T-47630	Peroneal Artery	bilateral
			T-47700	Anterior Tibial Artery	bilateral
			T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
			T-47020	Artery Of Upper Extremity	bilateral
			T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
			G-A119	Distal	bilateral
			G-A188	Mid-longitudinal	bilateral
	units	UCUM	sec	Seconds	bilateral
Ax A PI	anatomy	SRT	T-47100	Axillary Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Ax A RI	anatomy	SRT	T-47100	Axillary Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Ax A S/D	anatomy	SRT	T-47100	Axillary Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Bifur ACA EDV	anatomy	SRT	G-0369	Anterior-Posterior Cerebral Artery Bifurcation	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Bifur ACA PI	anatomy	SRT	G-0369	Anterior-Posterior Cerebral Artery Bifurcation	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Bifur ACA PSV	anatomy	SRT	G-0369	Anterior-Posterior Cerebral Artery Bifurcation	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Bifur ACA TAPV	anatomy	SRT	G-0369	Anterior-Posterior Cerebral Artery Bifurcation	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Bifur ACA TCD Mean	anatomy	SRT	G-0369	Anterior-Posterior Cerebral Artery Bifurcation	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Bifur ACA TCD PI	anatomy	SRT	G-0369	Anterior-Posterior Cerebral Artery Bifurcation	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Bifur MCA EDV	anatomy	SRT	G-0368	Anterior-Middle Cerebral Artery Bifurcation	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Bifur MCA PI	anatomy	SRT	G-0368	Anterior-Middle Cerebral Artery Bifurcation	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Bifur MCA PSV	anatomy	SRT	G-0368	Anterior-Middle Cerebral Artery Bifurcation	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Bifur MCA TAPV	anatomy	SRT	G-0368	Anterior-Middle Cerebral Artery Bifurcation	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Bifur MCA TCD Mean	anatomy	SRT	G-0368	Anterior-Middle Cerebral Artery Bifurcation	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Bifur MCA TCD PI	anatomy	SRT	G-0368	Anterior-Middle Cerebral Artery Bifurcation	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Bladder Height	anatomy	SNM3	T-74000	Bladder	unilateral
	concept	99PMSBLUS	C12011-03	Bladder Height	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
Bladder Length	anatomy	SNM3	T-74000	Bladder	unilateral
	concept	99PMSBLUS	C12011-01	Bladder Length	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
Bladder Vol	anatomy	SNM3	T-74000	Bladder	unilateral
	concept	99PMSBLUS	C12011-04	Bladder Volume	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm3	Cubic Centimeter	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Bladder Width	anatomy	SNM3	T-74000	Bladder	unilateral
	concept	99PMSBLUS	C12011-02	Bladder Width	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
Brachioceph A PI	anatomy	SRT	T-46010	Innominate Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Brachioceph A RI	anatomy	SRT	T-46010	Innominate Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Brachioceph A S/D	anatomy	SRT	T-46010	Innominate Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Bulb IMT(Q)	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm	Centimeter	bilateral
Bulb PI	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	1	ratio	bilateral
Bulb RI	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	1	ratio	bilateral
Bulb S/D	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	1	ratio	bilateral
Carotid Siphon EDV	anatomy	SRT	T-45308	Carotid Siphon	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Carotid Siphon PI	anatomy	SRT	T-45308	Carotid Siphon	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Carotid Siphon PSV	anatomy	SRT	T-45308	Carotid Siphon	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Carotid Siphon TAPV	anatomy	SRT	T-45308	Carotid Siphon	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Carotid Siphon TCD Mean	anatomy	SRT	T-45308	Carotid Siphon	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Carotid Siphon TCD PI	anatomy	SRT	T-45308	Carotid Siphon	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
CBD Diam	anatomy	SNM3	T-60610	Bileduct	unilateral
	concept	DCM	121206	Distance	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	mm	Millimeter	unilateral
CCA % Area Reduction	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	SRT	G-0371	Percent Area Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	%	Percent	bilateral
CCA % Diam Reduction	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	SRT	G-0372	Percent Diameter Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	%	Percent	bilateral
CCA Area Resid	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C7471-01	Area 1 of Area Percent Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm2	Square Centimeter	bilateral
CCA Area True	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C7471-02	Area 2 of Area Percent Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm2	Square Centimeter	bilateral
CCA Diam Resid	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C7470-05	Diameter 1 of Diameter Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm	Centimeter	bilateral
CCA Diam True	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C7470-06	Diameter 2 of Diameter Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm	Centimeter	bilateral
CCA IMT(Q)	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm	Centimeter	bilateral
CCA PSV	anatomy	99PMSBLUS	C12104-02	ICA/CCA Ratio Denominator	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Celiac A AI	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Celiac A AT	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
Celiac A EDV	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Celiac A MDV	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Celiac A PI	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Celiac A PSV	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Celiac A RI	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Celiac A S/D	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Celiac A TAMV	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Celiac A TAPV	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Celiac A VTI	anatomy	SRT	T-46400	Celiac Axis	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
CFA % Area Reduction	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	SRT	G-0371	Percent Area Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	%	Percent	bilateral
CFA % Diam Reduction	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	SRT	G-0372	Percent Diameter Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	%	Percent	bilateral
CFA Area Resid	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	99PMSBLUS	C7471-01	Area 1 of Area Percent Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	cm2	Square Centimeter	bilateral
CFA Area True	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	99PMSBLUS	C7471-02	Area 2 of Area Percent Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	cm2	Square Centimeter	bilateral
CFA Diam Resid	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	99PMSBLUS	C7470-05	Diameter 1 of Diameter Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	cm	Centimeter	bilateral
CFA Diam True	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	99PMSBLUS	C7470-06	Diameter 2 of Diameter Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	cm	Centimeter	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
CFA PI	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
CFA RI	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
CFA S/D	anatomy	SRT	T-47400	Common Femoral Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Com Hepatic A AI	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Com Hepatic A AT	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
Com Hepatic A EDV	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Com Hepatic A MDV	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Com Hepatic A PI	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Com Hepatic A PSV	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Com Hepatic A RI	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Com Hepatic A S/D	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Com Hepatic A TAMV	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Com Hepatic A TAPV	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Com Hepatic A VTI	anatomy	SRT	T-46421	Common Hepatic Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Com Iliac A PI	anatomy	SRT	T-46710	Common Iliac Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Com Iliac A RI	anatomy	SRT	T-46710	Common Iliac Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Com Iliac A S/D	anatomy	SRT	T-46710	Common Iliac Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Dist Ao AI	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Dist Ao AT	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	sec	Seconds	unilateral
Dist Ao EDV	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Ao MDV	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Ao PI	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	1	ratio	unilateral
Dist Ao PSV	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Ao RI	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	1	ratio	unilateral
Dist Ao S/D	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	1	ratio	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Dist Ao TAMV	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Ao TAPV	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Ao VTI	anatomy	SRT	T-42000	Aorta	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm	Centimeter	unilateral
Dist ATA PI	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist ATA RI	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist ATA S/D	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Basilar A EDV	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Basilar A PI	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	1	ratio	unilateral
Dist Basilar A PSV	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Basilar A TAPV	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Basilar A TCD Mean	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A119	Distal	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist Basilar A TCD PI	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	1	ratio	unilateral
Dist Brach A PI	anatomy	SRT	T-47160	Brachial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Brach A RI	anatomy	SRT	T-47160	Brachial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Brach A S/D	anatomy	SRT	T-47160	Brachial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Bulb IMT	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Dist Bulb IMT(Q)	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Dist CCA IMT	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Dist CCA IMT(Q)	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Dist CCA PI	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist CCA RI	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist CCA S/D	anatomy	SRT	T-45100	Common Carotid Artery	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist ICA EDV	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist ICA IMT	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Dist ICA IMT(Q)	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Dist ICA PI	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist ICA PSV	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist ICA RI	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist ICA S/D	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist ICA TAPV	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist ICA TCD Mean	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist ICA TCD PI	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist M1 EDV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist M1 PI	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist M1 PSV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist M1 TAPV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist M1 TCD Mean	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist M1 TCD PI	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Pero A PI	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Pero A RI	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Pero A S/D	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Pop A PI	anatomy	SRT	T-47500	Popliteal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Pop A RI	anatomy	SRT	T-47500	Popliteal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Pop A S/D	anatomy	SRT	T-47500	Popliteal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist PTA PI	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist PTA RI	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist PTA S/D	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Rad A PI	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Rad A RI	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Rad A S/D	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Ren A AI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Dist Ren A AT	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	sec	Seconds	bilateral
Dist Ren A EDV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist Ren A MDV	anatomy	SRT	T-46600	Renal Artery	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist Ren A PI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Ren A PSV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist Ren A RI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Ren A S/D	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Ren A TAMV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist Ren A TAPV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Dist Ren A VTI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Dist SFA PI	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist SFA RI	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist SFA S/D	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Dist SMA AI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Dist SMA AT	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	sec	Seconds	unilateral
Dist SMA EDV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist SMA MDV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist SMA PI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	1	ratio	unilateral
Dist SMA PSV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist SMA RI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	1	ratio	unilateral
Dist SMA S/D	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	1	ratio	unilateral
Dist SMA TAMV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist SMA TAPV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Dist SMA VTI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A119	Distal	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	cm	Centimeter	unilateral
Dist Ulnar A PI	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Ulnar A RI	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dist Ulnar A S/D	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A119	Distal	bilateral
	units	UCUM	1	ratio	bilateral
Dor Pedis PI	anatomy	SRT	T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Dor Pedis RI	anatomy	SRT	T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Dor Pedis S/D	anatomy	SRT	T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
EDV	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
		SRT	T-45100	Common Carotid Artery	bilateral
			T-45170	Carotid Bulb	bilateral
			T-45200	External Carotid Artery	bilateral
			T-45300	Internal Carotid Artery	bilateral
			T-45700	Vertebral Artery	bilateral
			T-46010	Innominate Artery	bilateral
			T-46100	Subclavian Artery	bilateral
			T-46710	Common Iliac Artery	bilateral
			T-46740	Internal Iliac Artery	bilateral
			T-46910	External Iliac Artery	bilateral
			T-47100	Axillary Artery	bilateral
			T-47160	Brachial Artery	bilateral
			T-47200	Ulnar Artery	bilateral
			T-47300	Radial Artery	bilateral
			T-47400	Common Femoral Artery	bilateral
			T-47403	Superficial Femoral Artery	bilateral
			T-47440	Profunda Femoris Artery	bilateral
			T-47500	Popliteal Artery	bilateral
			T-47600	Posterior Tibial Artery	bilateral
			T-47630	Peroneal Artery	bilateral
			T-47700	Anterior Tibial Artery	bilateral
			T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
			T-47020	Artery Of Upper Extremity	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
			T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
			G-A119	Distal	bilateral
			G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ext Iliac A PI	anatomy	SRT	T-46910	External Iliac Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Ext Iliac A RI	anatomy	SRT	T-46910	External Iliac Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Ext Iliac A S/D	anatomy	SRT	T-46910	External Iliac Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
GB Wall Diam	anatomy	SNM3	T-63000	Gallbladder	unilateral
	concept	DCM	121206	Distance	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	mm	Millimeter	unilateral
GDA AI	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
GDA AT	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
GDA EDV	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
GDA MDV	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
GDA PI	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
GDA PSV	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
GDA RI	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
GDA S/D	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
GDA TAMV	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
GDA TAPV	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
GDA VTI	anatomy	SRT	T-46440	Gastroduodenal Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Hilar A AI	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Hilar A AT	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	sec	Seconds	bilateral
Hilar A EDV	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Hilar A MDV	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Hilar A PI	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Hilar A PSV	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Hilar A RI	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Hilar A S/D	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Hilar A TAMV	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Hilar A TAPV	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Hilar A VTI	anatomy	SRT	G-035C	Hilar Artery	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	cm	Centimeter	bilateral
ICA	anatomy	99PMSBLUS	C12105-02	MCA/Dist ICA Ratio Denominator	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ICA % Area Reduction	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	SRT	G-0371	Percent Area Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	%	Percent	bilateral
ICA % Diam Reduction	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	SRT	G-0372	Percent Diameter Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	%	Percent	bilateral
ICA Area Resid	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C7471-01	Area 1 of Area Percent Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm2	Square Centimeter	bilateral
ICA Area True	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C7471-02	Area 2 of Area Percent Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm2	Square Centimeter	bilateral
ICA Diam Resid	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C7470-05	Diameter 1 of Diameter Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm	Centimeter	bilateral
ICA Diam True	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C7470-06	Diameter 2 of Diameter Reduction	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm	Centimeter	bilateral
ICA IMT(Q)	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm	Centimeter	bilateral
ICA PSV	anatomy	99PMSBLUS	C12104-01	ICA/CCA Ratio Numerator	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
ICA/CCA	concept	LN	33868-1	ICA/CCA velocity ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	1	ratio	bilateral
IMA AI	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
IMA AT	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
IMA EDV	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
IMA MDV	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
IMA PI	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
IMA PSV	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
IMA RI	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
IMA S/D	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
IMA TAMV	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
IMA TAPV	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
IMA VTI	anatomy	SRT	T-46520	Inferior Mesenteric Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Inf Arc AI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Inf Arc AT	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	sec	Seconds	bilateral
Inf Arc EDV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Arc MDV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Arc PI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Inf Arc PSV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Arc RI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Inf Arc S/D	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Inf Arc TAMV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Arc TAPV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Arc VTI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm	Centimeter	bilateral
Inf Ren Ao AI	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Inf Ren Ao AT	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
Inf Ren Ao EDV	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Inf Ren Ao MDV	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Inf Ren Ao PI	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Inf Ren Ao PSV	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Inf Ren Ao RI	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Inf Ren Ao S/D	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Inf Ren Ao TAMV	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Inf Ren Ao TAPV	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Inf Ren Ao VTI	anatomy	SRT	T-42520	Infra-renal Aorta	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Inf Seg AI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Inf Seg AT	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	sec	Seconds	bilateral
Inf Seg EDV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Seg MDV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Seg PI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Inf Seg PSV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Seg RI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Inf Seg S/D	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Inf Seg TAMV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Seg TAPV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Inf Seg VTI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A115	Inferior	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm	Centimeter	bilateral
Int Iliac A PI	anatomy	SRT	T-46740	Internal Iliac Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Int Iliac A RI	anatomy	SRT	T-46740	Internal Iliac Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
Int Iliac A S/D	anatomy	SRT	T-46740	Internal Iliac Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	1	ratio	bilateral
IVC Diameter	anatomy	SRT	T-48710	Inferior Vena Cava	unilateral
	concept	LN	18006-7	Inferior Vena Cava Diameter	unilateral
	section	SRT	T-487A0	Vein of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Kidney Height	anatomy	SNM3	T-71000	Kidney	bilateral
	concept	99PMSBLUS	C7470-01	Height	bilateral
	section	99PMSBLUS	T5100-01	Anatomic Structures	bilateral
	units	UCUM	cm	Centimeter	bilateral
Kidney Length	anatomy	SNM3	T-71000	Kidney	bilateral
	concept	SRT	G-A22A	Length	bilateral
	section	99PMSBLUS	T5100-01	Anatomic Structures	bilateral
	units	UCUM	cm	Centimeter	bilateral
Kidney Vol	anatomy	SNM3	T-71000	Kidney	bilateral
	concept	DCM	121221	Volume of ellipsoid	bilateral
	section	99PMSBLUS	T5100-01	Anatomic Structures	bilateral
	units	UCUM	cm3	Cubic Centimeter	bilateral
Kidney Width	anatomy	SNM3	T-71000	Kidney	bilateral
	concept	SNM3	G-A220	Width	bilateral
	section	99PMSBLUS	T5100-01	Anatomic Structures	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	cm	Centimeter	bilateral
L Hepatic A AI	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
L Hepatic A AT	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
L Hepatic A EDV	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
L Hepatic A MDV	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
L Hepatic A PI	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
L Hepatic A PSV	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
L Hepatic A RI	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
L Hepatic A S/D	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
L Hepatic A TAMV	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
L Hepatic A TAPV	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
L Hepatic A VTI	anatomy	SRT	T-46427	Left Branch of Hepatic Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Liver Length	anatomy	SNM3	T-62000	Liver	unilateral
	concept	SRT	G-A22A	Length	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
M2 EDV	anatomy	SRT	R-10251	Middle Cerebral Artery M2 Segment	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
M2 PI	anatomy	SRT	R-10251	Middle Cerebral Artery M2 Segment	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
M2 PSV	anatomy	SRT	R-10251	Middle Cerebral Artery M2 Segment	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
M2 TAPV	anatomy	SRT	R-10251	Middle Cerebral Artery M2 Segment	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
M2 TCD Mean	anatomy	SRT	R-10251	Middle Cerebral Artery M2 Segment	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
M2 TCD PI	anatomy	SRT	R-10251	Middle Cerebral Artery M2 Segment	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
MCA	anatomy	99PMSBLUS	C12105-01	MCA/Dist ICA Ratio Numerator	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
MCA/ICA	anatomy	99PMSBLUS	C12105-05	MCA/Dist ICA Ratio	bilateral
	concept	99PMSBLUS	C12105-03	MCA/Dist ICA Ratio	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
MDV	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
		SRT	T-45100	Common Carotid Artery	bilateral
			T-45170	Carotid Bulb	bilateral
			T-45200	External Carotid Artery	bilateral
			T-45300	Internal Carotid Artery	bilateral
			T-45700	Vertebral Artery	bilateral
			T-46010	Innominate Artery	bilateral
			T-46100	Subclavian Artery	bilateral
			T-46710	Common Iliac Artery	bilateral
			T-46740	Internal Iliac Artery	bilateral
			T-46910	External Iliac Artery	bilateral
			T-47100	Axillary Artery	bilateral
			T-47160	Brachial Artery	bilateral
			T-47200	Ulnar Artery	bilateral
			T-47300	Radial Artery	bilateral
			T-47400	Common Femoral Artery	bilateral
			T-47403	Superficial Femoral Artery	bilateral
			T-47440	Profunda Femoris Artery	bilateral
			T-47500	Popliteal Artery	bilateral
			T-47600	Posterior Tibial Artery	bilateral
			T-47630	Peroneal Artery	bilateral
			T-47700	Anterior Tibial Artery	bilateral
			T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
			T-47020	Artery Of Upper Extremity	bilateral
			T-47040	Artery of Lower Extremity	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	segment	SRT	G-A118	Proximal	bilateral
			G-A119	Distal	bilateral
			G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Arc AI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Mid Arc AT	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	sec	Seconds	bilateral
Mid Arc EDV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Arc MDV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Arc PI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Mid Arc PSV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Arc RI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Mid Arc S/D	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Mid Arc TAMV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Arc TAPV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Mid Arc VTI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm	Centimeter	bilateral
Mid ATA PI	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid ATA RI	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid ATA S/D	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Basilar A EDV	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid Basilar A PI	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	1	ratio	unilateral
Mid Basilar A PSV	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid Basilar A TAPV	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid Basilar A TCD Mean	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid Basilar A TCD PI	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	1	ratio	unilateral
Mid Bulb IMT	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	cm	Centimeter	bilateral
Mid Bulb IMT(Q)	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Mid CCA IMT	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Mid CCA IMT(Q)	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Mid CCA PI	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid CCA RI	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid CCA S/D	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid ECA PI	anatomy	SRT	T-45200	External Carotid Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid ECA RI	anatomy	SRT	T-45200	External Carotid Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid ECA S/D	anatomy	SRT	T-45200	External Carotid Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid ICA IMT	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Mid ICA IMT(Q)	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Mid ICA PI	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid ICA RI	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid ICA S/D	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid M1 EDV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid M1 PI	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid M1 PSV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid M1 TAPV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid M1 TCD Mean	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid M1 TCD PI	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Pero A PI	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	1	ratio	bilateral
Mid Pero A RI	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Pero A S/D	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid PTA PI	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid PTA RI	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid PTA S/D	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Rad A PI	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Rad A RI	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Rad A S/D	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Ren A AI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Mid Ren A AT	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	sec	Seconds	bilateral
Mid Ren A EDV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Ren A MDV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Ren A PI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Ren A PSV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Ren A RI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Ren A S/D	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Ren A TAMV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Ren A TAPV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Ren A VTI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Mid SCL A PI	anatomy	SRT	T-46100	Subclavian Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid SCL A RI	anatomy	SRT	T-46100	Subclavian Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid SCL A S/D	anatomy	SRT	T-46100	Subclavian Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Seg AI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Mid Seg AT	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	sec	Seconds	bilateral
Mid Seg EDV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Seg MDV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Seg PI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Mid Seg PSV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Seg RI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Mid Seg S/D	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Mid Seg TAMV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Seg TAPV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Mid Seg VTI	anatomy	SRT	T-46659	Segmental Artery	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	branch	SRT	G-A109	Medial	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm	Centimeter	bilateral
Mid SFA PI	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid SFA RI	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid SFA S/D	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid SMA AI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Mid SMA AT	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	sec	Seconds	unilateral
Mid SMA EDV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid SMA MDV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid SMA PI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	1	ratio	unilateral
Mid SMA PSV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid SMA RI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	1	ratio	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Mid SMA S/D	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	1	ratio	unilateral
Mid SMA TAMV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid SMA TAPV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Mid SMA VTI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A188	Mid-longitudinal	unilateral
	units	UCUM	cm	Centimeter	unilateral
Mid Ulnar A PI	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Ulnar A RI	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Mid Ulnar A S/D	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A188	Mid-longitudinal	bilateral
	units	UCUM	1	ratio	bilateral
Ophthalmic A EDV	anatomy	SRT	T-45400	Ophthalmic Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ophthalmic A PI	anatomy	SRT	T-45400	Ophthalmic Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Ophthalmic A PSV	anatomy	SRT	T-45400	Ophthalmic Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ophthalmic A TAPV	anatomy	SRT	T-45400	Ophthalmic Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ophthalmic A TCD Mean	anatomy	SRT	T-45400	Ophthalmic Artery	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ophthalmic A TCD PI	anatomy	SRT	T-45400	Ophthalmic Artery	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
PCA P1 EDV	anatomy	SRT	R-10253	Posterior Cerebral Artery P1 Segment	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCA P1 PI	anatomy	SRT	R-10253	Posterior Cerebral Artery P1 Segment	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
PCA P1 PSV	anatomy	SRT	R-10253	Posterior Cerebral Artery P1 Segment	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCA P1 TAPV	anatomy	SRT	R-10253	Posterior Cerebral Artery P1 Segment	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCA P1 TCD Mean	anatomy	SRT	R-10253	Posterior Cerebral Artery P1 Segment	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCA P1 TCD PI	anatomy	SRT	R-10253	Posterior Cerebral Artery P1 Segment	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
PCA P2 EDV	anatomy	SRT	R-10255	Posterior Cerebral Artery P2 Segment	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCA P2 PI	anatomy	SRT	R-10255	Posterior Cerebral Artery P2 Segment	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
PCA P2 PSV	anatomy	SRT	R-10255	Posterior Cerebral Artery P2 Segment	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCA P2 TAPV	anatomy	SRT	R-10255	Posterior Cerebral Artery P2 Segment	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCA P2 TCD Mean	anatomy	SRT	R-10255	Posterior Cerebral Artery P2 Segment	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCA P2 TCD PI	anatomy	SRT	R-10255	Posterior Cerebral Artery P2 Segment	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
PCoA EDV	anatomy	SRT	T-45320	Posterior Communicating Artery	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCoA PI	anatomy	SRT	T-45320	Posterior Communicating Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
PCoA PSV	anatomy	SRT	T-45320	Posterior Communicating Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCoA TAPV	anatomy	SRT	T-45320	Posterior Communicating Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCoA TCD Mean	anatomy	SRT	T-45320	Posterior Communicating Artery	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PCoA TCD PI	anatomy	SRT	T-45320	Posterior Communicating Artery	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Prox ATA PI	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox ATA RI	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox ATA S/D	anatomy	SRT	T-47700	Anterior Tibial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Basilar A EDV	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox Basilar A PI	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	1	ratio	unilateral
Prox Basilar A PSV	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox Basilar A TAPV	anatomy	SRT	T-45800	Basilar Artery	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox Basilar A TCD Mean	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox Basilar A TCD PI	anatomy	SRT	T-45800	Basilar Artery	unilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	unilateral
	section	SRT	T-40501	Blood Vessel of Head	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	1	ratio	unilateral
Prox Brach A PI	anatomy	SRT	T-47160	Brachial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Brach A RI	anatomy	SRT	T-47160	Brachial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Brach A S/D	anatomy	SRT	T-47160	Brachial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Bulb IMT	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Prox Bulb IMT(Q)	anatomy	SRT	T-45170	Carotid Bulb	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Prox CCA IMT	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Prox CCA IMT(Q)	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Prox CCA PI	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox CCA RI	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox CCA S/D	anatomy	SRT	T-45100	Common Carotid Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox ECA PI	anatomy	SRT	T-45200	External Carotid Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox ECA RI	anatomy	SRT	T-45200	External Carotid Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox ECA S/D	anatomy	SRT	T-45200	External Carotid Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox ICA IMT	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Prox ICA IMT(Q)	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	99PMSBLUS	C12122-08	Mean Intima Media Thickness	bilateral
	MeasType	99PMSBLUS	C3627-01	QLAB IMT measurement	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Prox ICA PI	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox ICA RI	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox ICA S/D	anatomy	SRT	T-45300	Internal Carotid Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox M1 EDV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox M1 PI	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox M1 PSV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox M1 TAPV	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox M1 TCD Mean	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox M1 TCD PI	anatomy	SRT	R-1024F	Middle Cerebral Artery M1 Segment	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Pero A PI	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Pero A RI	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Pero A S/D	anatomy	SRT	T-47630	Peroneal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox PFA PI	anatomy	SRT	T-47440	Profunda Femoris Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox PFA RI	anatomy	SRT	T-47440	Profunda Femoris Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Prox PFA S/D	anatomy	SRT	T-47440	Profunda Femoris Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Pop A PI	anatomy	SRT	T-47500	Popliteal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Pop A RI	anatomy	SRT	T-47500	Popliteal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Pop A S/D	anatomy	SRT	T-47500	Popliteal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox PTA PI	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox PTA RI	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox PTA S/D	anatomy	SRT	T-47600	Posterior Tibial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Rad A PI	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Rad A RI	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Rad A S/D	anatomy	SRT	T-47300	Radial Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Ren A AI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Prox Ren A AT	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	sec	Seconds	bilateral
Prox Ren A EDV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox Ren A MDV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox Ren A PI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Ren A PSV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox Ren A RI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Ren A S/D	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Ren A TAMV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox Ren A TAPV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Prox Ren A VTI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	cm	Centimeter	bilateral
Prox SCL A PI	anatomy	SRT	T-46100	Subclavian Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox SCL A RI	anatomy	SRT	T-46100	Subclavian Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox SCL A S/D	anatomy	SRT	T-46100	Subclavian Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox SFA PI	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox SFA RI	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox SFA S/D	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox SMA AI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Prox SMA AT	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	sec	Seconds	unilateral
Prox SMA EDV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox SMA MDV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox SMA PI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	1	ratio	unilateral
Prox SMA PSV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox SMA RI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	1	ratio	unilateral
Prox SMA S/D	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	1	ratio	unilateral
Prox SMA TAMV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox SMA TAPV	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Prox SMA VTI	anatomy	SRT	T-46510	Superior Mesenteric Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	segment	SRT	G-A118	Proximal	unilateral
	units	UCUM	cm	Centimeter	unilateral
Prox Ulnar A PI	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Ulnar A RI	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
Prox Ulnar A S/D	anatomy	SRT	T-47200	Ulnar Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-47020	Artery Of Upper Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
	units	UCUM	1	ratio	bilateral
PSV	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
		SRT	T-45100	Common Carotid Artery	bilateral
			T-45170	Carotid Bulb	bilateral
			T-45200	External Carotid Artery	bilateral
			T-45300	Internal Carotid Artery	bilateral
			T-45700	Vertebral Artery	bilateral
			T-46010	Innominate Artery	bilateral
			T-46100	Subclavian Artery	bilateral
			T-46710	Common Iliac Artery	bilateral
			T-46740	Internal Iliac Artery	bilateral
			T-46910	External Iliac Artery	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
			T-47100	Axillary Artery	bilateral
			T-47160	Brachial Artery	bilateral
			T-47200	Ulnar Artery	bilateral
			T-47300	Radial Artery	bilateral
			T-47400	Common Femoral Artery	bilateral
			T-47403	Superficial Femoral Artery	bilateral
			T-47440	Profunda Femoris Artery	bilateral
			T-47500	Popliteal Artery	bilateral
			T-47600	Posterior Tibial Artery	bilateral
			T-47630	Peroneal Artery	bilateral
			T-47700	Anterior Tibial Artery	bilateral
			T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
			T-47020	Artery Of Upper Extremity	bilateral
			T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
			G-A119	Distal	bilateral
			G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
PV Bladder Height	anatomy	99PMSBLUS	C4-01	Post Void Bladder	unilateral
	concept	99PMSBLUS	C12011-07	Post Void Bladder Height	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
PV Bladder Length	anatomy	99PMSBLUS	C4-01	Post Void Bladder	unilateral
	concept	99PMSBLUS	C12011-05	Post Void Bladder Length	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
PV Bladder Vol	anatomy	99PMSBLUS	C4-01	Post Void Bladder	unilateral
	concept	99PMSBLUS	C12011-08	Post Void Bladder Volume	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm3	Cubic Centimeter	unilateral
PV Bladder Width	anatomy	99PMSBLUS	C4-01	Post Void Bladder	unilateral
	concept	99PMSBLUS	C12011-06	Post Void Bladder Width	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
R Hepatic A AI	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
R Hepatic A AT	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
R Hepatic A EDV	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
R Hepatic A MDV	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
R Hepatic A PI	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
R Hepatic A PSV	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
R Hepatic A RI	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
R Hepatic A S/D	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
R Hepatic A TAMV	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
R Hepatic A TAPV	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
R Hepatic A VTI	anatomy	SRT	T-46423	Right Branch of Hepatic Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
RAR	concept	LN	33869-9	Renal Artery/Aorta velocity ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Ren A Org AI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Ren A Org AT	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	sec	Seconds	bilateral
Ren A Org EDV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren A Org MDV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren A Org PI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	1	ratio	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Ren A Org PSV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren A Org RI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	1	ratio	bilateral
Ren A Org S/D	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	1	ratio	bilateral
Ren A Org TAMV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren A Org TAPV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren A Org VTI	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	segment	SRT	G-036A	Origin of vessel	bilateral
	units	UCUM	cm	Centimeter	bilateral
Ren V AI	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Ren V AT	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	sec	Seconds	bilateral
Ren V EDV	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren V MDV	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren V PI	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Ren V PSV	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Ren V RI	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Ren V S/D	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Ren V TAMV	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren V TAPV	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Ren V VTI	anatomy	SRT	T-48740	Renal Vein	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm	Centimeter	bilateral
Renal A PSV	anatomy	SRT	T-46600	Renal Artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
SFA % Area Reduction	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	SRT	G-0371	Percent Area Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	%	Percent	bilateral
SFA % Diam Reduction	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	SRT	G-0372	Percent Diameter Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	%	Percent	bilateral
SFA Area Resid	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	99PMSBLUS	C7471-01	Area 1 of Area Percent Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	cm2	Square Centimeter	bilateral
SFA Area True	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	99PMSBLUS	C7471-02	Area 2 of Area Percent Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	cm2	Square Centimeter	bilateral
SFA Diam Resid	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	99PMSBLUS	C7470-05	Diameter 1 of Diameter Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	cm	Centimeter	bilateral
SFA Diam True	anatomy	SRT	T-47403	Superficial Femoral Artery	bilateral
	concept	99PMSBLUS	C7470-06	Diameter 2 of Diameter Reduction	bilateral
	section	SRT	T-47040	Artery of Lower Extremity	bilateral
	units	UCUM	cm	Centimeter	bilateral
Spleen Height	anatomy	SNM3	T-C3000	Spleen	unilateral
	concept	99PMSBLUS	C7470-01	Height	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
Spleen Length	anatomy	SNM3	T-C3000	Spleen	unilateral
	concept	SRT	G-A22A	Length	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
Spleen Vol	anatomy	SNM3	T-C3000	Spleen	unilateral
	concept	DCM	121221	Volume of ellipsoid	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm3	Cubic Centimeter	unilateral
Spleen Width	anatomy	SNM3	T-C3000	Spleen	unilateral
	concept	SNM3	G-A220	Width	unilateral
	section	99PMSBLUS	T5100-02	Anatomic Structures (unilateral)	unilateral
	units	UCUM	cm	Centimeter	unilateral
Splenic A AI	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Splenic A AT	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
Splenic A EDV	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Splenic A MDV	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Splenic A PI	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Splenic A PSV	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Splenic A RI	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Splenic A S/D	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Splenic A TAMV	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Splenic A TAPV	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Splenic A VTI	anatomy	SRT	T-46460	Splenic Artery	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Sup Arc AI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Sup Arc AT	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	sec	Seconds	bilateral
Sup Arc EDV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Arc MDV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Arc PI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Sup Arc PSV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Arc RI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Sup Arc S/D	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Sup Arc TAMV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Arc TAPV	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Arc VTI	anatomy	SRT	T-4668A	Arcuate Artery of the Kidney	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	cm	Centimeter	bilateral
Sup Ren Ao AI	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	20167-3	Acceleration Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	unilateral
Sup Ren Ao AT	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	20168-1	Acceleration Time	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	sec	Seconds	unilateral
Sup Ren Ao EDV	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	11653-3	End Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Sup Ren Ao MDV	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Sup Ren Ao PI	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	12008-9	Pulsatility Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Sup Ren Ao PSV	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	11726-7	Peak Systolic Velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Sup Ren Ao RI	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	12023-8	Resistivity Index	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Sup Ren Ao S/D	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	1	ratio	unilateral
Sup Ren Ao TAMV	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	20352-1	Time averaged mean velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Sup Ren Ao TAPV	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	11692-1	Time averaged peak velocity	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm/s	Centimeter Per Second	unilateral
Sup Ren Ao VTI	anatomy	SRT	T-42510	Supra-renal Aorta	unilateral
	concept	LN	20354-7	Velocity Time Integral	unilateral
	section	SRT	T-46002	Artery of Abdomen	unilateral
	units	UCUM	cm	Centimeter	unilateral
Sup Seg AI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	20167-3	Acceleration Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s2	Centimeter Per Second Square	bilateral
Sup Seg AT	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	20168-1	Acceleration Time	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
	units	UCUM	sec	Seconds	bilateral
Sup Seg EDV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Seg MDV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	11665-7	Minimum Diastolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Seg PI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Sup Seg PSV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Seg RI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Sup Seg S/D	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	1	ratio	bilateral
Sup Seg TAMV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Seg TAPV	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Sup Seg VTI	anatomy	SRT	T-46659	Segmental Artery	bilateral
	branch	SRT	G-A116	Superior	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-71019	Vascular Structure Of Kidney	bilateral
	units	UCUM	cm	Centimeter	bilateral
TAMV	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
		SRT	T-45100	Common Carotid Artery	bilateral
			T-45170	Carotid Bulb	bilateral
			T-45200	External Carotid Artery	bilateral
			T-45300	Internal Carotid Artery	bilateral
			T-45700	Vertebral Artery	bilateral
			T-46010	Innominate Artery	bilateral
			T-46100	Subclavian Artery	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
			T-46710	Common Iliac Artery	bilateral
			T-46740	Internal Iliac Artery	bilateral
			T-46910	External Iliac Artery	bilateral
			T-47100	Axillary Artery	bilateral
			T-47160	Brachial Artery	bilateral
			T-47200	Ulnar Artery	bilateral
			T-47300	Radial Artery	bilateral
			T-47400	Common Femoral Artery	bilateral
			T-47403	Superficial Femoral Artery	bilateral
			T-47440	Profunda Femoris Artery	bilateral
			T-47500	Popliteal Artery	bilateral
			T-47600	Posterior Tibial Artery	bilateral
			T-47630	Peroneal Artery	bilateral
			T-47700	Anterior Tibial Artery	bilateral
			T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	20352-1	Time averaged mean velocity	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
			T-47020	Artery Of Upper Extremity	bilateral
			T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
			G-A119	Distal	bilateral
			G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
TAPV	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
		SRT	T-45100	Common Carotid Artery	bilateral
			T-45170	Carotid Bulb	bilateral
			T-45200	External Carotid Artery	bilateral
			T-45300	Internal Carotid Artery	bilateral
			T-45700	Vertebral Artery	bilateral
			T-46010	Innominate Artery	bilateral
			T-46100	Subclavian Artery	bilateral
			T-46710	Common Iliac Artery	bilateral
			T-46740	Internal Iliac Artery	bilateral
			T-46910	External Iliac Artery	bilateral
			T-47100	Axillary Artery	bilateral
			T-47160	Brachial Artery	bilateral
			T-47200	Ulnar Artery	bilateral
			T-47300	Radial Artery	bilateral
			T-47400	Common Femoral Artery	bilateral
			T-47403	Superficial Femoral Artery	bilateral
			T-47440	Profunda Femoris Artery	bilateral
			T-47500	Popliteal Artery	bilateral
			T-47600	Posterior Tibial Artery	bilateral
			T-47630	Peroneal Artery	bilateral
			T-47700	Anterior Tibial Artery	bilateral
			T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
			T-47020	Artery Of Upper Extremity	bilateral
			T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
			G-A119	Distal	bilateral
			G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Term ICA EDV	anatomy	SRT	R-102BD	Terminal internal carotid artery	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Term ICA PI	anatomy	SRT	R-102BD	Terminal internal carotid artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Term ICA PSV	anatomy	SRT	R-102BD	Terminal internal carotid artery	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Term ICA TAPV	anatomy	SRT	R-102BD	Terminal internal carotid artery	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Term ICA TCD Mean	anatomy	SRT	R-102BD	Terminal internal carotid artery	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Term ICA TCD PI	anatomy	SRT	R-102BD	Terminal internal carotid artery	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
Vertebral A EDV	anatomy	99PMSBLUS	C12105-04	Vertebral Artery in TCD	bilateral
	concept	LN	11653-3	End Diastolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Vertebral A PI	anatomy	99PMSBLUS	C12105-04	Vertebral Artery in TCD	bilateral
		SRT	T-45700	Vertebral Artery	bilateral
	concept	LN	12008-9	Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
			T-45005	Artery of neck	bilateral
	units	UCUM	1	ratio	bilateral
Vertebral A PSV	anatomy	99PMSBLUS	C12105-04	Vertebral Artery in TCD	bilateral
	concept	LN	11726-7	Peak Systolic Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Vertebral A RI	anatomy	SRT	T-45700	Vertebral Artery	bilateral
	concept	LN	12023-8	Resistivity Index	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	1	ratio	bilateral
Vertebral A S/D	anatomy	SRT	T-45700	Vertebral Artery	bilateral
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
	units	UCUM	1	ratio	bilateral
Vertebral A TAPV	anatomy	99PMSBLUS	C12105-04	Vertebral Artery in TCD	bilateral
	concept	LN	11692-1	Time averaged peak velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral
Vertebral A TCD Mean	anatomy	99PMSBLUS	C12105-04	Vertebral Artery in TCD	bilateral
	concept	99PMSBLUS	C12221-03	TCD Mean Velocity	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	cm/s	Centimeter Per Second	bilateral

Vascular Report Label	MOD Type	CSD	CV	CM	Laterality
Vertebral A TCD PI	anatomy	99PMSBLUS	C12105-04	Vertebral Artery in TCD	bilateral
	concept	99PMSBLUS	C12221-04	TCD Pulsatility Index	bilateral
	section	SRT	T-40501	Blood Vessel of Head	bilateral
	units	UCUM	1	ratio	bilateral
VTI	anatomy	99PMSBLUS	sup71_001	Antecube	bilateral
		SRT	T-45100	Common Carotid Artery	bilateral
			T-45170	Carotid Bulb	bilateral
			T-45200	External Carotid Artery	bilateral
			T-45300	Internal Carotid Artery	bilateral
			T-45700	Vertebral Artery	bilateral
			T-46010	Innominate Artery	bilateral
			T-46100	Subclavian Artery	bilateral
			T-46710	Common Iliac Artery	bilateral
			T-46740	Internal Iliac Artery	bilateral
			T-46910	External Iliac Artery	bilateral
			T-47100	Axillary Artery	bilateral
			T-47160	Brachial Artery	bilateral
			T-47200	Ulnar Artery	bilateral
			T-47300	Radial Artery	bilateral
			T-47400	Common Femoral Artery	bilateral
			T-47403	Superficial Femoral Artery	bilateral
			T-47440	Profunda Femoris Artery	bilateral
			T-47500	Popliteal Artery	bilateral
			T-47600	Posterior Tibial Artery	bilateral
			T-47630	Peroneal Artery	bilateral
			T-47700	Anterior Tibial Artery	bilateral
			T-47741	Dorsalis Pedis Artery	bilateral
	concept	LN	20354-7	Velocity Time Integral	bilateral
	section	SRT	T-45005	Artery of neck	bilateral
			T-47020	Artery Of Upper Extremity	bilateral
			T-47040	Artery of Lower Extremity	bilateral
	segment	SRT	G-A118	Proximal	bilateral
			G-A119	Distal	bilateral
			G-A188	Mid-longitudinal	bilateral
	units	UCUM	cm	Centimeter	bilateral

A.5.1 Vascular Study Info

CSD	CV	CM	Type
99PMSBLUS	T9910-26	Aphasia	CHECK
99PMSBLUS	T9910-31	Bruit	CHECK
99PMSBLUS	T9910-36	Endarterectomy Date	DATE
99PMSBLUS	T9910-35	Endarterectomy Left	CHECK
99PMSBLUS	T9910-34	Endarterectomy Right	CHECK
99PMSBLUS	T9910-50	Claudication	TEXT
99PMSBLUS	T9910-30	Confusion	CHECK
99PMSBLUS	T9910-27	Double Vision	CHECK
99PMSBLUS	T9910-46	Previous DVT Left	CHECK
99PMSBLUS	T9910-45	Previous DVT Right	CHECK
99PMSBLUS	T9910-44	Edema	CHECK

CSD	CV	CM	Type
99PMSBLUS	T9910-42	Amaurosis Fugax Left	CHECK
99PMSBLUS	T9910-41	Amaurosis Fugax Right	CHECK
99PMSBLUS	T9910-38	Hemiparesis Left	CHECK
99PMSBLUS	T9910-37	Hemiparesis Right	CHECK
99PMSBLUS	T9910-48	History of Malignancy	CHECK
99PMSBLUS	T9910-47	History of Pulmonary Thrombus	CHECK
99PMSBLUS	T9910-28	Memory Loss	CHECK
99PMSBLUS	T9910-43	Obesity	CHECK
99PMSBLUS	T9910-49	Pregnant	CHECK
99PMSBLUS	T9910-24	Recent Injury	TEXT
99PMSBLUS	T9910-32	Stroke	CHECK
99PMSBLUS	T9910-33	Stroke Date	DATE
99PMSBLUS	T9910-25	Surgeries	TEXT
99PMSBLUS	T9910-29	Syncope	CHECK
99PMSBLUS	T9910-40	Weakness Left	CHECK
99PMSBLUS	T9910-39	Weakness Right	CHECK

A.5.2 Vascular Abdominal Study Info

CSD	CV	CM	Type
99PMSBLUS	T9910-65	Abnormal Lab Values	TEXT
99PMSBLUS	T9910-68	Aortic Aneurysm Date	DATE
99PMSBLUS	T9910-70	Cholesystectomy Date	DATE
99PMSBLUS	T9910-69	Cholesystectomy	CHECK
99PMSBLUS	T9910-61	Diarrhea	CHECK
99PMSBLUS	T9910-62	Diarrhea Duration	TEXT
99PMSBLUS	T9910-66	History of Aortic Aneurysm	CHECK
99PMSBLUS	T9910-55	LLQ Pain	CHECK
99PMSBLUS	T9910-52	LUQ Pain	CHECK
99PMSBLUS	T9910-53	Midline Pain	CHECK
99PMSBLUS	T9910-58	Nausea Duration	TEXT
99PMSBLUS	T9910-57	Nausea	CHECK
99PMSBLUS	T9910-73	Other Surgeries	TEXT
99PMSBLUS	T9910-56	Periumbilical Pain	CHECK
99PMSBLUS	T9910-67	Previous Measurement	TEXT
99PMSBLUS	T9910-54	RLQ Pain	CHECK
99PMSBLUS	T9910-51	RUQ Pain	CHECK
99PMSBLUS	T9910-71	TIPSS	CHECK
99PMSBLUS	T9910-72	TIPSS Date	DATE
99PMSBLUS	T9910-59	Vomiting	CHECK
99PMSBLUS	T9910-60	Vomiting Duration	TEXT

CSD	CV	CM	Type
99PMSBLUS	T9910-63	Weight Loss	CHECK
99PMSBLUS	T9910-64	Weight Loss Duration	TEXT

A.6 TID 5200 ADULT ECHOCARDIOGRAPHY PROCEDURE REPORT

The following tables present information used in Structured Reports for this template.

The tables are sorted by the Label value, which corresponds to the label displayed in the analysis application and reports displayed on the system.

All system measurements and calculations exported will be listed by alphabetically by Label Name. The table will include the actual Coding Scheme Designator, Code Value and Code Meaning used for that label.

In the table below, the following terms are used:

CSD	Coding Scheme Designator
CV	Code Value
CM	Code Meaning
Mod Type	Concept Modifier Type

"Mod Type" Field

App	Application or SR Template this measurement or calculation applies to
Site	The finding site as specified by the template
Concept	The code sequence as defined by the CSD
Mode	The imaging mode used for this value
Direction	Regurgitant or antegrade flow
Method	Measurement or calculation method used
Target	Location
View	Cardiac Imaging View

Adult Echo Report Label	MOD Type	CSD	CV	CM
A Wave Amp	concept	LN	59100-8	A Wave Amp
	mode	SRT	G-0394	M mode
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm	Centimeter
AI Acc Time	concept	LN	20168-1	Acceleration Time
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	sec	Seconds
AI Acc Time Slope	concept	LN	20167-3	Acceleration Slope
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s2	Centimeter Per Second Square
AI Alias Vel	concept	LN	59130-5	Alias Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s	Centimeter Per Second
AI Dec Slope	concept	LN	20216-8	Deceleration Slope
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s2	Centimeter Per Second Square
AI Dec Slope Time	concept	LN	20217-6	Deceleration Time
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve

Adult Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	sec	Seconds
AI End Dias Vel	concept	LN	11653-3	End Diastolic Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s	Centimeter Per Second
AI ERO	concept	SRT	G-038E	Cardiovascular Orifice Area
	direction	SRT	G-0367	Regurgitant Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm2	Square Centimeter
AI Flow Rate	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	ml/sec	ml/sec
AI Fraction	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	%	Percent
AI Max PG	concept	LN	20247-3	Peak Gradient
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
AI Mean PG	concept	LN	20256-4	Mean Gradient
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
AI P1/2t	concept	LN	20280-4	Pressure Half-Time
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	msec	Millisecond
AI Radius	concept	LN	59102-4	Flow Radius
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm	Centimeter
AI Vmax	concept	LN	20351-3	Peak Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s	Centimeter Per Second
AI Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s	Centimeter Per Second
AI Volume	concept	LN	33878-0	Volume Flow
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	ml	Milliliter

Adult Echo Report Label	MOD Type	CSD	CV	CM
AI VTI	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm	Centimeter
Ao Arch Diam	concept	LN	18011-7	Aortic Arch Diameter
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-42000	Aorta
	units	UCUM	cm	Centimeter
Ao Isthmus Diam	concept	LN	18014-1	Aortic Isthmus Diameter
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-42000	Aorta
	units	UCUM	cm	Centimeter
AoR Diam (2D)	concept	LN	18015-8	Aortic Root Diameter
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-42000	Aorta
	units	UCUM	cm	Centimeter
AoR Diam (MM)	concept	LN	18015-8	Aortic Root Diameter
	mode	SRT	G-0394	M mode
	site	SNM3	T-42000	Aorta
	units	UCUM	cm	Centimeter
Asc Ao Diam	concept	LN	18012-5	Ascending Aortic Diameter
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-42000	Aorta
	units	UCUM	cm	Centimeter
AV Acc Time	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	sec	Seconds
AV Acc Time Slope	concept	LN	20167-3	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s2	Centimeter Per Second Square
AV Area	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125220	Planimetry
	mode	SRT	G-03A2	2D mode
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm2	Square Centimeter
AV Cusp Sep	concept	LN	17996-0	Aortic Valve Cusp Separation
	mode	SRT	G-0394	M mode
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm	Centimeter
AV Dec Time	concept	LN	20217-6	Deceleration Time
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	sec	Seconds
AV Max PG	concept	LN	20247-3	Peak Gradient

Adult Echo Report Label	MOD Type	CSD	CV	CM
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
AV Mean PG	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
AV R-R	concept	LN	8867-4	Heart rate
	site	SRT	T-35400	Aortic Valve
	units	UCUM	{H.B}/min	Beats Per Minute
AV Vmax	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s	Centimeter Per Second
AV Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm/s	Centimeter Per Second
AV VTI	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm	Centimeter
AVA (Vmax)	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125214	Continuity Equation by Peak Velocity
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm2	Square Centimeter
AVA (VTI)	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125215	Continuity Equation by Velocity Time Integral
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm2	Square Centimeter
B-C Slope	concept	99PMSBLUS	C12209-03	B-C Slope
	mode	SRT	G-0394	M mode
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm/s	Centimeter Per Second
CI (2D-Cubed)	concept	SRT	F-32110	Cardiac Index
	method	DCM	125206	Cube Method
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min/m2	l/min/m2
CI (2D-Teich)	concept	SRT	F-32110	Cardiac Index
	method	DCM	125209	Teichholz
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min/m2	l/min/m2
CI (A/L)	concept	SRT	F-32110	Cardiac Index
	method	DCM	125226	Single Plane Ellipse

Adult Echo Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min/m2	l/min/m2
CI (MM-Cubed)	concept	SRT	F-32110	Cardiac Index
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min/m2	l/min/m2
CI (MM-Teich)	concept	SRT	F-32110	Cardiac Index
	method	DCM	125209	Teichholz
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min/m2	l/min/m2
CI(MOD-bp)	concept	SRT	F-32110	Cardiac Index
	method	DCM	125207	Method of Disks, Biplane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min/m2	l/min/m2
CI(MOD-sp2)	concept	SRT	F-32110	Cardiac Index
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min/m2	l/min/m2
	view	SRT	G-A19B	Apical two chamber
CI(MOD-sp4)	concept	SRT	F-32110	Cardiac Index
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min/m2	l/min/m2
	view	SRT	G-A19C	Apical four chamber
CO (2D-Cubed)	concept	SRT	F-32100	Cardiac Output
	method	DCM	125206	Cube Method
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min	Litre Per Minute
CO (2D-Teich)	concept	SRT	F-32100	Cardiac Output
	method	DCM	125209	Teichholz
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min	Litre Per Minute
CO (A/L)	concept	SRT	F-32100	Cardiac Output
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min	Litre Per Minute
CO (LVOT)	concept	SRT	F-32100	Cardiac Output

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	l/min	Litre Per Minute
CO (MM-Cubed)	concept	SRT	F-32100	Cardiac Output
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min	Litre Per Minute
CO (MM-Teich)	concept	SRT	F-32100	Cardiac Output
	method	DCM	125209	Teichholz
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min	Litre Per Minute
CO (MV)	concept	SRT	F-32100	Cardiac Output
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	l/min	Litre Per Minute
CO (RVOT)	concept	SRT	F-32100	Cardiac Output
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	l/min	Litre Per Minute
CO (TV)	concept	SRT	F-32100	Cardiac Output
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	l/min	Litre Per Minute
CO(MOD-bp)	concept	SRT	F-32100	Cardiac Output
	method	DCM	125207	Method of Disks, Biplane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min	Litre Per Minute
CO(MOD-sp2)	concept	SRT	F-32100	Cardiac Output
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min	Litre Per Minute
	view	SRT	G-A19B	Apical two chamber
CO(MOD-sp4)	concept	SRT	F-32100	Cardiac Output
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	l/min	Litre Per Minute
	view	SRT	G-A19C	Apical four chamber
Desc Ao Diam	concept	LN	18013-3	Descending Aortic Diameter
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-42000	Aorta
	units	UCUM	cm	Centimeter
E/Lat E`	concept	SRT	G-037B	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	1	no units
E/Med E`	concept	SRT	G-037B	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	1	no units
E`/A` Lateral	concept	LN	59129-7	Left Ventricle E to A Tissue Velocity Ratio
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	1	no units
E`/A` Medial	concept	LN	59129-7	Left Ventricle E to A Tissue Velocity Ratio
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	1	no units
EDV (2D-Cubed)	concept	LN	18026-5	Left Ventricular End Diastolic Volume
	method	DCM	125206	Cube Method
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
EDV (2D-Teich)	concept	LN	18026-5	Left Ventricular End Diastolic Volume
	method	DCM	125209	Teichholz
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
EDV (A/L)	concept	LN	18026-5	Left Ventricular End Diastolic Volume
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
EDV (MM-Cubed)	concept	LN	18026-5	Left Ventricular End Diastolic Volume
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
EDV (MM-Teich)	concept	LN	18026-5	Left Ventricular End Diastolic Volume
	method	DCM	125209	Teichholz
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
EDV(MOD-bp)	concept	LN	18026-5	Left Ventricular End Diastolic Volume
	method	DCM	125207	Method of Disks, Biplane
	mode	SRT	G-03A2	2D mode

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
EDV(MOD-sp2)	concept	LN	18026-5	Left Ventricular End Diastolic Volume
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm3	Cubic Centimeter
	view	SRT	G-A19B	Apical two chamber
EDV(MOD-sp4)	concept	LN	18026-5	Left Ventricular End Diastolic Volume
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm3	Cubic Centimeter
	view	SRT	G-A19C	Apical four chamber
EF (2D-Cubed)	concept	LN	18043-0	Left Ventricular Ejection Fraction
	method	DCM	125206	Cube Method
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
EF (2D-Teich)	concept	LN	18043-0	Left Ventricular Ejection Fraction
	method	DCM	125209	Teichholz
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
EF (A/L)	concept	LN	18043-0	Left Ventricular Ejection Fraction
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
EF (Dumesnil)	concept	99PMSBLUS	C3467-04	Left Ventricular Ejection Fraction by Dumesnil 1995
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
EF (MM-Cubed)	concept	LN	18043-0	Left Ventricular Ejection Fraction
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
EF (MM-Teich)	concept	LN	18043-0	Left Ventricular Ejection Fraction
	method	DCM	125209	Teichholz
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
EF(MOD-bp)	concept	LN	18043-0	Left Ventricular Ejection Fraction
	method	DCM	125207	Method of Disks, Biplane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle

Adult Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	%	Percent
EF(MOD-sp2)	concept	LN	18043-0	Left Ventricular Ejection Fraction
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
	view	SRT	G-A19B	Apical two chamber
EF(MOD-sp4)	concept	LN	18043-0	Left Ventricular Ejection Fraction
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
	view	SRT	G-A19C	Apical four chamber
ESV (2D-Cubed)	concept	LN	18148-7	Left Ventricular End Systolic Volume
	method	DCM	125206	Cube Method
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
ESV (2D-Teich)	concept	LN	18148-7	Left Ventricular End Systolic Volume
	method	DCM	125209	Teichholz
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
ESV (A/L)	concept	LN	18148-7	Left Ventricular End Systolic Volume
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
ESV (MM-Cubed)	concept	LN	18148-7	Left Ventricular End Systolic Volume
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
ESV (MM-Teich)	concept	LN	18148-7	Left Ventricular End Systolic Volume
	method	DCM	125209	Teichholz
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
ESV(MOD-bp)	concept	LN	18148-7	Left Ventricular End Systolic Volume
	method	DCM	125207	Method of Disks, Biplane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
ESV(MOD-sp2)	concept	LN	18148-7	Left Ventricular End Systolic Volume
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm3	Cubic Centimeter
	view	SRT	G-A19B	Apical two chamber
ESV(MOD-sp4)	concept	LN	18148-7	Left Ventricular End Systolic Volume
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm3	Cubic Centimeter
	view	SRT	G-A19C	Apical four chamber
FS (2D-Cubed)	concept	LN	18051-3	Left Ventricular Fractional Shortening
	method	DCM	125206	Cube Method
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
FS (2D-Teich)	concept	LN	18051-3	Left Ventricular Fractional Shortening
	method	DCM	125209	Teichholz
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
FS (MM-Cubed)	concept	LN	18051-3	Left Ventricular Fractional Shortening
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
FS (MM-Teich)	concept	LN	18051-3	Left Ventricular Fractional Shortening
	method	DCM	125209	Teichholz
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
Hep. A Revs Dur Time	concept	99PMSBLUS	C12216-01	Hepatic Vein A-Wave Duration
	site	SRT	T-48720	Hepatic Veins
	units	UCUM	sec	Seconds
Hep. A Revs Vel	concept	LN	29474-4	Hepatic Vein Atrial Contraction Reversal Peak Velocity
	site	SRT	T-48720	Hepatic Veins
	units	UCUM	cm/s	Centimeter Per Second
Hepatic Dias Vel	concept	LN	29472-8	Hepatic Vein Diastolic Peak Velocity
	site	SRT	T-48720	Hepatic Veins
	units	UCUM	cm/s	Centimeter Per Second
Hepatic S/D	concept	LN	29473-6	Hepatic Vein Systolic to Diastolic Ratio
	site	SRT	T-48720	Hepatic Veins
	units	UCUM	1	no units
Hepatic Sys Vel	concept	LN	29471-0	Hepatic Vein Systolic Peak Velocity
	site	SRT	T-48720	Hepatic Veins
	units	UCUM	cm/s	Centimeter Per Second
HR LV	concept	LN	8867-4	Heart rate
	mode	SRT	G-03A2	2D mode

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	{H.B.}/min	Beats Per Minute
HR LV	concept	LN	8867-4	Heart rate
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	{H.B.}/min	Beats Per Minute
IVC Diameter	concept	LN	18006-7	Inferior Vena Cava Diameter
	mode	SRT	G-03A2	2D mode
	site	SRT	T-48600	Vena Cava
	units	UCUM	cm	Centimeter
IVCT Time	concept	SRT	G-037E	Left Ventricular Isovolumic Contraction Time
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	sec	Seconds
IVRT Time	concept	LN	18071-1	Left Ventricular Isovolumic Relaxation Time
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	sec	Seconds
IVS % (2D)	concept	LN	18054-7	Interventricular Septum % Thickening
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
IVS % (MM)	concept	LN	18054-7	Interventricular Septum % Thickening
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
IVS/LVPW (2D)	concept	LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	1	no units
IVS/LVPW (MM)	concept	LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	1	no units
IVSd (2D)	concept	LN	18154-5	Interventricular Septum Diastolic Thickness
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
IVSd (MM)	concept	LN	18154-5	Interventricular Septum Diastolic Thickness
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
IVSs (2D)	concept	LN	18158-6	Interventricular Septum Systolic Thickness
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
IVSs (MM)	concept	LN	18158-6	Interventricular Septum Systolic Thickness
	mode	SRT	G-0394	M mode

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LA Dimen (2D)	concept	LN	29469-4	Left Atrium Antero-posterior Systolic Dimension
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32300	Left Atrium
	units	UCUM	cm	Centimeter
LA Dimen (MM)	concept	LN	29469-4	Left Atrium Antero-posterior Systolic Dimension
	mode	SRT	G-0394	M mode
	site	SRT	T-32300	Left Atrium
	units	UCUM	cm	Centimeter
LA/Ao (2D)	concept	LN	17985-3	Left Atrium to Aortic Root Ratio
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32300	Left Atrium
	units	UCUM	1	no units
LA/Ao (MM)	concept	LN	17985-3	Left Atrium to Aortic Root Ratio
	mode	SRT	G-0394	M mode
	site	SRT	T-32300	Left Atrium
	units	UCUM	1	no units
Lat A` Area VTI	concept	LN	59125-5	LV VTI A wave US
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	cm	Centimeter
Lat A` Vel	concept	SRT	G-037C	LV Peak Diastolic Tissue Velocity During Atrial Systole
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	cm/s	Centimeter Per Second
Lat Acc Time	concept	LN	20168-1	Acceleration Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	sec	Seconds
Lat Dec Time	concept	LN	20217-6	Deceleration Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	sec	Seconds
Lat E` Area VTI	concept	LN	59124-8	LV VTI E wave US
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	cm	Centimeter
Lat E` Vel	concept	SRT	G-037A	Left Ventricular Peak Early Diastolic Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle

Adult Echo Report Label	MOD Type	CSD	CV	CM
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	cm/s	Centimeter Per Second
Lat IVCT Time	concept	SRT	G-037E	Left Ventricular Isovolumic Contraction Time
	mode	99PMSBLUS	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	sec	Seconds
Lat IVRT Time	concept	LN	18071-1	Left Ventricular Isovolumic Relaxation Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	sec	Seconds
Lat S Vel	concept	SRT	G-037D	Left Ventricular Peak Systolic Tissue Velocity
	mode	99PMSBLUS	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	cm/s	Centimeter Per Second
Late Dias Slope	concept	99PMSBLUS	C12209-01	Late Diastolic Slope
	mode	SRT	G-0394	M mode
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm/s	Centimeter Per Second
LPA Diam	concept	LN	18019-0	Left Pulmonary Artery Diameter
	mode	SRT	G-03A2	2D mode
	site	SRT	T-44000	Pulmonary artery
	units	UCUM	cm	Centimeter
LV Dp/dt	concept	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg velocity
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	mm[Hg]/s	mmHg/s
LV EDA	concept	SRT	G-0375	Left Ventricular Diastolic Area
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
LV ESA	concept	SRT	G-0374	Left Ventricular Systolic Area
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
LV ET Time	concept	LN	20222-6	Eject Time
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	sec	Seconds
LV FAC	concept	SRT	G-0376	Left Ventricular Fractional Area Change
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32600	Left Ventricle
	units	UCUM	%	Percent
LV Mass (A/L)	concept	LN	18087-7	Left Ventricle Mass

Adult Echo Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	g	Gram
LV Mass (Cubed)	concept	LN	18087-7	Left Ventricle Mass
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	g	Gram
LV Mass Index (A/L)	concept	99PMSBLUS	C12203-01	Left Ventricle Mass Index
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	g/m2	g/m2
LV Mass Index(Cubed)	concept	99PMSBLUS	C12203-01	Left Ventricle Mass Index
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	g/m2	g/m2
LV PEP Time	concept	LN	59085-1	Pre-Eject Time
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	sec	Seconds
LV PEP/ET	concept	99PMSBLUS	C12203-04	PEP/ET
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	1	no units
LV R-R	concept	LN	8867-4	Heart rate
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	{H.B.}/min	Beats Per Minute
LVAd (A/L)	concept	SRT	G-0375	Left Ventricular Diastolic Area
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
LVAd ap2	concept	SRT	G-0375	Left Ventricular Diastolic Area
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
	view	SRT	G-A19B	Apical two chamber
LVAd ap4	concept	SRT	G-0375	Left Ventricular Diastolic Area
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
	view	SRT	G-A19C	Apical four chamber
LVAd Sax Endo Area	concept	SRT	G-0375	Left Ventricular Diastolic Area
	mode	SRT	G-03A2	2D mode

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
LVAd Sax Epi Area	concept	SRT	G-0379	Left Ventricle Epicardial Diastolic Area, psax pap view
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
LVAs (A/L)	concept	SRT	G-0374	Left Ventricular Systolic Area
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
LVAs ap2	concept	SRT	G-0374	Left Ventricular Systolic Area
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
	view	SRT	G-A19B	Apical two chamber
LVAs ap4	concept	SRT	G-0374	Left Ventricular Systolic Area
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm2	Square Centimeter
	view	SRT	G-A19C	Apical four chamber
LVIDd (2D)	concept	LN	29436-3	Left Ventricle Internal End Diastolic Dimension
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVIDd (MM)	concept	LN	29436-3	Left Ventricle Internal End Diastolic Dimension
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVIDs (2D)	concept	LN	29438-9	Left Ventricle Internal Systolic Dimension
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVIDs (MM)	concept	LN	29438-9	Left Ventricle Internal Systolic Dimension
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVLd (A/L)	concept	LN	18077-8	Left Ventricle diastolic major axis
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter

Adult Echo Report Label	MOD Type	CSD	CV	CM
LVLd Apical	concept	LN	18077-8	Left Ventricle diastolic major axis
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVLs (A/L)	concept	LN	18076-0	Left Ventricle systolic major axis
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVOT Acc Time	concept	LN	20168-1	Acceleration Time
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	sec	Seconds
LVOT Acc Time Slope	concept	LN	20167-3	Acceleration Slope
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	cm/s2	Centimeter Per Second Square
LVOT Area	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	cm2	Square Centimeter
LVOT Diam	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	cm	Centimeter
LVOT Max PG	concept	LN	20247-3	Peak Gradient
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm[Hg]	Millimeters Of Mercury
LVOT Mean PG	concept	LN	20256-4	Mean Gradient
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm[Hg]	Millimeters Of Mercury
LVOT Vmax	concept	LN	20351-3	Peak Velocity
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	cm/s	Centimeter Per Second
LVOT Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	cm/s	Centimeter Per Second
LVOT VTI	concept	LN	20354-7	Velocity Time Integral
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	cm	Centimeter

Adult Echo Report Label	MOD Type	CSD	CV	CM
LVPW % (2D)	concept	LN	18053-9	Left Ventricle Posterior Wall % Thickening
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
LVPW % (MM)	concept	LN	18053-9	Left Ventricle Posterior Wall % Thickening
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	%	Percent
LVPWd (2D)	concept	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVPWd (MM)	concept	LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVPWs (2D)	concept	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
LVPWs (MM)	concept	LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	cm	Centimeter
Med A` Area VTI	concept	LN	59125-5	LV VTI A wave US
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	cm	Centimeter
Med A` Vel	concept	SRT	G-037C	LV Peak Diastolic Tissue Velocity During Atrial Systole
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	cm/s	Centimeter Per Second
Med Acc Time	concept	LN	20168-1	Acceleration Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	sec	Seconds
Med Dec Time	concept	LN	20217-6	Deceleration Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	sec	Seconds
Med E` Area VTI	concept	LN	59124-8	Area under LV E Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	cm	Centimeter
Med E` Vel	concept	SRT	G-037A	Left Ventricular Peak Early Diastolic Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	cm/s	Centimeter Per Second
Med IVCT Time	concept	SRT	G-037E	Left Ventricular Isovolumic Contraction Time
	mode	99PMSBLUS	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	sec	Seconds
Med IVRT Time	concept	LN	18071-1	Left Ventricular Isovolumic Relaxation Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	sec	Seconds
Med S Vel	concept	SRT	G-037D	Left Ventricular Peak Systolic Tissue Velocity
	mode	99PMSBLUS	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	cm/s	Centimeter Per Second
MPA Diam	concept	LN	18020-8	Main Pulmonary Artery Diameter
	mode	SRT	G-03A2	2D mode
	site	SRT	T-44000	Pulmonary artery
	units	UCUM	cm	Centimeter
MR Alias Vel	concept	LN	59130-5	Alias Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MR ERO	concept	SRT	G-038E	Cardiovascular Orifice Area
	direction	SRT	G-0367	Regurgitant Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm2	Square Centimeter
MR Flow Rate	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	G-0367	Regurgitant Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	ml/sec	ml/sec
MR Fraction	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	G-0367	Regurgitant Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	%	Percent
MR Max PG	concept	LN	20247-3	Peak Gradient
	direction	SRT	G-0367	Regurgitant Flow

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
MR Mean PG	concept	LN	20256-4	Mean Gradient
	direction	SRT	G-0367	Regurgitant Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
MR Radius	concept	LN	59102-4	Flow Radius
	direction	SRT	G-0367	Regurgitant Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm	Centimeter
MR Vmax	concept	LN	20351-3	Peak Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MR Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MR Volume	concept	LN	33878-0	Volume Flow
	direction	SRT	G-0367	Regurgitant Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	ml	Milliliter
MR VTI	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	G-0367	Regurgitant Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm	Centimeter
MV A Dur Time	concept	SRT	G-0385	Mitral Valve A-Wave Duration
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	sec	Seconds
MV A-C Interval Time	concept	99PMSBLUS	C12207-04	Mitral Valve A-C Interval
	mode	SRT	G-0394	M mode
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	sec	Seconds
MV Acc Time	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	sec	Seconds
MV Acc Time Slope	concept	LN	20167-3	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s2	Centimeter Per Second Square
MV Alias Vel	concept	LN	59130-5	Alias Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second

Adult Echo Report Label	MOD Type	CSD	CV	CM
MV Area (Planim)	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125220	Planimetry
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm2	Square Centimeter
MV D-E Exc Dist	concept	99PMSBLUS	C12207-01	Mitral Valve D-E Excursion
	mode	SRT	G-0394	M mode
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm	Centimeter
MV D-E Slope	concept	99PMSBLUS	C12207-02	Mitral Valve D-E Slope
	mode	SRT	G-0394	M mode
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MV Dec Slope	concept	LN	20216-8	Deceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s2	Centimeter Per Second Square
MV Dec Time	concept	LN	20217-6	Deceleration Time
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	sec	Seconds
MV Diam	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm	Centimeter
MV E/A	concept	LN	18038-0	Mitral Valve E to A Ratio
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	1	no units
MV E-E Sep	concept	99PMSBLUS	C12207-03	Mitral Valve E-E Separation
	mode	SRT	G-0394	M mode
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm	Centimeter
MV E-F Slope	concept	LN	18040-6	Mitral Valve E-F Slope by M-Mode
	mode	SRT	G-0394	M mode
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MV EPSS	concept	LN	18036-4	Mitral Valve EPSS, E wave
	mode	SRT	G-0394	M mode
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm	Centimeter
MV Max PG	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
MV Mean PG	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
MV P1/2t	concept	LN	20280-4	Pressure Half-Time
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	msec	Millisecond
MV P1/2t Vmax	concept	99PMSBLUS	C12222-03	Pressure Half-Time Peak velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MV Peak A Vel	concept	LN	17978-8	Mitral Valve A-Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MV Peak E Vel	concept	LN	18037-2	Mitral Valve E-Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MV Radius	concept	LN	59102-4	Flow Radius
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm	Centimeter
MV R-R	concept	LN	8867-4	Heart rate
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	{H.B.}/min	Beats Per Minute
MV Vmax	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MV Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm/s	Centimeter Per Second
MV VTI	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm	Centimeter
MVA (P1/2t)	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125210	Area by Pressure Half-Time
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm2	Square Centimeter
MVA (PISA)	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm2	Square Centimeter
MVA (VTI)	concept	SRT	G-038E	Cardiovascular Orifice Area

Adult Echo Report Label	MOD Type	CSD	CV	CM
	method	DCM	125215	Continuity Equation by Velocity Time Integral
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm2	Square Centimeter
PI End Dias PG	concept	LN	20247-3	Peak Gradient
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
PI End Dias Vel	concept	LN	11653-3	End Diastolic Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm/s	Centimeter Per Second
PISA (AI)	concept	99PMSBLUS	C12211-01	Aortic Valve Flow Area
	direction	SRT	G-0367	Regurgitant Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SRT	T-35400	Aortic Valve
	units	UCUM	cm2	Square Centimeter
PISA (MR)	concept	99PMSBLUS	C12207-06	Mitral Valve Flow Area
	direction	SRT	G-0367	Regurgitant Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	cm2	Square Centimeter
PISA (TR)	concept	99PMSBLUS	C12208-05	Tricuspid Valve Flow Area
	direction	SRT	G-0367	Regurgitant Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm2	Square Centimeter
Pulm A Revs Dur Time	concept	SRT	G-038B	Pulmonary Vein A-Wave Duration
	site	SRT	T-48581	Pulmonary Venous Structure
	units	UCUM	sec	Seconds
Pulm A Revs Vel	concept	LN	29453-8	Pulmonary Vein Atrial Contraction Reversal Peak Velocity
	site	SRT	T-48581	Pulmonary Venous Structure
	units	UCUM	cm/s	Centimeter Per Second
Pulm Dias Vel	concept	LN	29451-2	Pulmonary Vein Diastolic Peak Velocity
	site	SRT	T-48581	Pulmonary Venous Structure
	units	UCUM	cm/s	Centimeter Per Second
Pulm S/D	concept	LN	29452-0	Pulmonary Vein Systolic to Diastolic Ratio
	site	SRT	T-48581	Pulmonary Venous Structure
	units	UCUM	1	no units
Pulm Sys Vel	concept	LN	29450-4	Pulmonary Vein Systolic Peak Velocity
	site	SRT	T-48581	Pulmonary Venous Structure
	units	UCUM	cm/s	Centimeter Per Second
PV Acc Time	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	sec	Seconds
PV Acc Time Slope	concept	LN	20167-3	Acceleration Slope

Adult Echo Report Label	MOD Type	CSD	CV	CM
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm/s2	Centimeter Per Second Square
PV Max PG	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
PV Mean PG	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
PV R-R	concept	LN	8867-4	Heart rate
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	{H.B.}/min	Beats Per Minute
PV Vmax	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm/s	Centimeter Per Second
PV Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm/s	Centimeter Per Second
PV VTI	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm	Centimeter
PVA (Vmax)	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125214	Continuity Equation by Peak Velocity
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm2	Square Centimeter
PVA (VTI)	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125215	Continuity Equation by Velocity Time Integral
	site	SRT	T-35200	Pulmonic Valve
	units	UCUM	cm2	Square Centimeter
Qp/Qs	concept	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio
	site	SRT	P5-30031	Cardiac Shunt Study
	units	UCUM	1	no units
R to AV Closure	concept	99PMSBLUS	C12211-07	R Wave to Aortic Valve Closure Time
	site	SRT	T-35400	Aortic Valve
	units	UCUM	msec	Millisecond
R to AV Open	concept	99PMSBLUS	C12211-06	R Wave to Aortic Valve Opening Time
	site	SRT	T-35400	Aortic Valve
	units	UCUM	msec	Millisecond
R to MV Closure	concept	99PMSBLUS	C12207-42	R Wave to Mitral Valve Closure Time
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	msec	Millisecond

Adult Echo Report Label	MOD Type	CSD	CV	CM
R to MV Open	concept	99PMSBLUS	C12207-41	R Wave to Mitral Valve Opening Time
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	msec	Millisecond
RA Pressure	concept	LN	18070-3	Right Atrium Systolic Pressure
	site	SRT	T-32200	Right Atrium
	units	UCUM	mm[Hg]	Millimeters Of Mercury
RPA Diam	concept	LN	18021-6	Right Pulmonary Artery Diameter
	mode	SRT	G-03A2	2D mode
	site	SRT	T-44000	Pulmonary artery
	units	UCUM	cm	Centimeter
RV EDA	concept	99PMSBLUS	C12204-01	Right Ventricular Diastolic Area
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	cm2	Square Centimeter
RV ET Time	concept	LN	20222-6	Eject Time
	mode	SRT	G-0394	M mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	sec	Seconds
RV/LV	concept	99PMSBLUS	C12204-04	Right and Left Ventricular End Diastolic Diameter Ratio
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	1	no units
RV ESA	concept	99PMSBLUS	C12204-02	Right Ventricular Systolic Area
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32500	Right Ventricle
	units	UCUM	cm2	Square Centimeter
RV FAC	concept	99PMSBLUS	C12204-03	Right Ventricular Fractional Area Change
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	%	Percent
RV PEP Time	concept	99PMSBLUS	C12203-03	Pre-Eject Time
	mode	SRT	G-0394	M mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	sec	Seconds
RV PEP/ET	concept	99PMSBLUS	C12203-04	PEP/ET
	site	SRT	T-32500	Right Ventricle
	units	UCUM	1	no units
RVAWd (2D)	concept	LN	18153-7	Right Ventricular Anterior Wall Diastolic Thickness
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	cm	Centimeter
RVAWd (MM)	concept	LN	18153-7	Right Ventricular Anterior Wall Diastolic Thickness
	mode	SRT	G-0394	M mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	cm	Centimeter
RVIDd (2D)	concept	LN	20304-2	Right Ventricular Internal Diastolic Dimension

Adult Echo Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	cm	Centimeter
RVIDd (MM)	concept	LN	20304-2	Right Ventricular Internal Diastolic Dimension
	mode	SRT	G-0394	M mode
	site	SRT	T-32500	Right Ventricle
	units	UCUM	cm	Centimeter
RVOT Area	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	cm2	Square Centimeter
RVOT Diam	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	cm	Centimeter
RVOT Max PG	concept	LN	20247-3	Peak Gradient
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm[Hg]	Millimeters Of Mercury
RVOT Mean PG	concept	LN	20256-4	Mean Gradient
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm[Hg]	Millimeters Of Mercury
RVOT Vmax	concept	LN	20351-3	Peak Velocity
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	cm/s	Centimeter Per Second
RVOT Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	cm/s	Centimeter Per Second
RVOT VTI	concept	LN	20354-7	Velocity Time Integral
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	cm	Centimeter
RVSP	concept	SRT	G-0380	Right Ventricular Peak Systolic Pressure
	site	SRT	T-32500	Right Ventricle
	units	UCUM	mm[Hg]	Millimeters Of Mercury
SI (2D-Cubed)	concept	SRT	F-00078	Stroke Index
	method	DCM	125206	Cube Method
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml/m2	ml/m2
SI (2D-Teich)	concept	SRT	F-00078	Stroke Index

Adult Echo Report Label	MOD Type	CSD	CV	CM
	method	DCM	125209	Teichholz
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml/m2	ml/m2
SI (A/L)	concept	SRT	F-00078	Stroke Index
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml/m2	ml/m2
SI (MM-Cubed)	concept	SRT	F-00078	Stroke Index
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml/m2	ml/m2
SI (MM-Teich)	concept	SRT	F-00078	Stroke Index
	method	DCM	125209	Teichholz
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml/m2	ml/m2
SI(MOD-bp)	concept	SRT	F-00078	Stroke Index
	method	DCM	125207	Method of Disks, Biplane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml/m2	ml/m2
SI(MOD-sp2)	concept	SRT	F-00078	Stroke Index
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml/m2	ml/m2
	view	SRT	G-A19B	Apical two chamber
SI(MOD-sp4)	concept	SRT	F-00078	Stroke Index
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml/m2	ml/m2
	view	SRT	G-A19C	Apical four chamber
SV (2D-Cubed)	concept	SRT	F-32120	Stroke Volume
	method	DCM	125206	Cube Method
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
SV (2D-Teich)	concept	SRT	F-32120	Stroke Volume
	method	DCM	125209	Teichholz
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter

Adult Echo Report Label	MOD Type	CSD	CV	CM
SV (A/L)	concept	SRT	F-32120	Stroke Volume
	method	DCM	125226	Single Plane Ellipse
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
SV (LVOT)	concept	SRT	F-32120	Stroke Volume
	site	SNM3	T-32600	Left Ventricle
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	ml	Milliliter
SV (MM-Cubed)	concept	SRT	F-32120	Stroke Volume
	method	DCM	125206	Cube Method
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
SV (MM-Teich)	concept	SRT	F-32120	Stroke Volume
	method	DCM	125209	Teichholz
	mode	SRT	G-0394	M mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
SV (MV)	concept	SRT	F-32120	Stroke Volume
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	ml	Milliliter
SV (RVOT)	concept	SRT	F-32120	Stroke Volume
	site	SRT	T-32500	Right Ventricle
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	ml	Milliliter
SV (TV)	concept	SRT	F-32120	Stroke Volume
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	ml	Milliliter
SV(MOD-bp)	concept	SRT	F-32120	Stroke Volume
	method	DCM	125207	Method of Disks, Biplane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
SV(MOD-sp2)	concept	SRT	F-32120	Stroke Volume
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
	view	SRT	G-A19B	Apical two chamber
SV(MOD-sp4)	concept	SRT	F-32120	Stroke Volume
	method	DCM	125208	Method of Disks, Single Plane
	mode	SRT	G-03A2	2D mode
	site	SNM3	T-32600	Left Ventricle
	units	UCUM	ml	Milliliter
	view	SRT	G-A19C	Apical four chamber

Adult Echo Report Label	MOD Type	CSD	CV	CM
Tei Index	concept	99PMSBLUS	C12207-05	Tei Index
	site	SNM3	T-35300	Mitral Valve
	units	UCUM	1	no units
Time to Lat E`	concept	LN	59096-8	Time to Left Ventricle E Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	sec	Seconds
Time to Lat S	concept	LN	59095-0	Time to Left Ventricle S Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	sec	Seconds
Time to Med E`	concept	LN	59096-8	Time to Left Ventricle E Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	sec	Seconds
Time to Med S	concept	LN	59095-0	Time to Left Ventricle S Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	site	SNM3	T-32600	Left Ventricle
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	sec	Seconds
TR Alias Vel	concept	LN	59130-5	Alias Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TR ERO	concept	SRT	G-038E	Cardiovascular Orifice Area
	direction	SRT	G-0367	Regurgitant Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm2	Square Centimeter
TR Flow Rate	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	ml/sec	ml/sec
TR Fraction	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	%	Percent
TR Max PG	concept	LN	20247-3	Peak Gradient
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
TR Mean PG	concept	LN	20256-4	Mean Gradient
	direction	SRT	G-0367	Regurgitant Flow

Adult Echo Report Label	MOD Type	CSD	CV	CM
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
TR Radius	concept	LN	59102-4	Flow Radius
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm	Centimeter
TR Vmax	concept	LN	20351-3	Peak Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TR Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TR Volume	concept	LN	33878-0	Volume Flow
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	ml	Milliliter
TR VTI	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	G-0367	Regurgitant Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm	Centimeter
TV A-C Interval Time	concept	99PMSBLUS	C12208-04	Tricuspid Valve A-C Interval
	mode	SRT	G-0394	M mode
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	sec	Seconds
TV Acc Time	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	sec	Seconds
TV Acc Time Slope	concept	LN	20167-3	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s2	Centimeter Per Second Square
TV Alias Vel	concept	LN	59130-5	Alias Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TV Area	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm2	Square Centimeter
TV D-E Exc Dist	concept	99PMSBLUS	C12208-01	Tricuspid Valve D-E Excursion
	mode	SRT	G-0394	M mode
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm	Centimeter

Adult Echo Report Label	MOD Type	CSD	CV	CM
TV D-E Slope	concept	99PMSBLUS	C12208-02	Tricuspid Valve D-E Slope
	mode	SRT	G-0394	M mode
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TV Diam	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm	Centimeter
TV E/A	concept	LN	18039-8	Tricuspid Valve E to A Ratio
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	1	no units
TV E-F Slope	concept	99PMSBLUS	C12208-03	Tricuspid Valve E-F Slope
	mode	SRT	G-0394	M mode
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TV Max PG	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
TV Mean PG	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	mm[Hg]	Millimeters Of Mercury
TV Peak A Vel	concept	LN	18030-7	Tricuspid Valve A Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TV Peak E Vel	concept	LN	18031-5	Tricuspid Valve E Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TV Radius	concept	LN	59102-4	Flow Radius
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm	Centimeter
TV R-R	concept	LN	8867-4	Heart rate
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	{H.B.}/min	Beats Per Minute
TV Vmax	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second
TV Vmean	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm/s	Centimeter Per Second

Adult Echo Report Label	MOD Type	CSD	CV	CM
TV VTI	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm	Centimeter
TVA (PISA)	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	site	SRT	T-35100	Tricuspid Valve
	units	UCUM	cm2	Square Centimeter

A.6.1 Adult Echocardiography Study Info

CSD	CV	CM	TYPE
99PMSBLUS	T9910-82	Arrythmia	TEXT
99PMSBLUS	T9910-88	Ascites	CHECK
99PMSBLUS	T9910-96	Bioprosthetic Value Replacement Date	DATE
99PMSBLUS	T9910-95	Bioprosthetic Value Replacement Type	TEXT
99PMSBLUS	T9910-83	Chest Pain	CHECK
99PMSBLUS	T9910-77	Congestive Heart Failure	CHECK
SRT	F-008ED	Diastolic Blood Pressure	NUM
99PMSBLUS	T9910-91	Dizziness	CHECK
99PMSBLUS	T9910-85	Dyspnea	CHECK
99PMSBLUS	T9910-87	Fatigue	CHECK
99PMSBLUS	T9910-92	Fever of Unknown Origin	CHECK
99PMSBLUS	T9910-93	Hemoptysis	CHECK
99PMSBLUS	T9910-76	History of Rheumatic Fever	CHECK
99PMSBLUS	T9910-75	Hypertension	CHECK
99PMSBLUS	T9910-90	Infection	CHECK
99PMSBLUS	T9910-84	Jugular Venous Distention	CHECK
99PMSBLUS	T9910-98	Mechanical Value Replacement Date	DATE
99PMSBLUS	T9910-97	Mechanical Value Replacement Type	TEXT
99PMSBLUS	T9910-79	Murmur	CHECK
99PMSBLUS	T9910-81	Murmur Grade	TEXT
99PMSBLUS	T9910-80	Murmur Type	TEXT
99PMSBLUS	T9910-99	Pacemaker	CHECK
99PMSBLUS	T9910-86	Peripheral Edema	CHECK
99PMSBLUS	T9910-74	Smoker	CHECK
99PMSBLUS	T9910-78	Surgeries	TEXT
99PMSBLUS	T9910-89	Syncope	CHECK
SRT	F-008EC	Systolic Blood Pressure	NUM
99PMSBLUS	T9910-94	TIA / Stroke	CHECK

A.7 TID 5220 PEDIATRIC, FETAL AND CONGENITAL CARDIAC ULTRASOUND REPORTS

The following tables present information used in Structured Reports for this template.

The tables are sorted by the Label value, which corresponds to the label displayed in the analysis application and reports displayed on the system.

All system measurements and calculations exported will be listed by alphabetically by Label Name. The table will include the actual Coding Scheme Designator, Code Value and Code Meaning used for that label.

In the table below, the following terms are used:

CSD	Coding Scheme Designator
CV	Code Value
CM	Code Meaning
Mod Type	Concept Modifier Type

"Mod Type" Field

Site	The finding site as specified by the template
Concept	The code sequence as defined by the CSD
Direction	Regurgitant or antegrade flow
Disk	Simpsons disk number
Target	Location
Mode	The imaging mode used for this value
Method	Measurement or Calculation method used
Phase	Cardiac Phase
View	Echocardiography Image View
Derivation	Calculation Method
Result	Result identifier
Units	Units identifier

Ped Echo Report Label	MOD Type	CSD	CV	CM
A Wave Amp	site	SRT	T-35200	Pulmonic Valve
	concept	LN	59100-8	A-Wave Amplitude
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
A2Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
A2Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3

Ped Echo Report Label	MOD Type	CSD	CV	CM
A2Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
A2Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
A2Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
A2Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
A2Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	phase	SRT	R-FAB5B	End Systole
	method	DCM	125208	Method of Disks, Single Plane
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
A4Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole

Ped Echo Report Label	MOD Type	CSD	CV	CM
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
A4Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
A4Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
A4Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	method	DCM	125208	Method of Disks, Single Plane
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
A4Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
A4Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
A4Cs	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
A4Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	method	DCM	125208	Method of Disks, Single Plane
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
AI Accel	site	SRT	T-35400	Aortic Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	ms	ms
AI Accel	site	SRT	T-35400	Aortic Valve
	concept	LN	20167-3	Acceleration Slope
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s2	mm/s2
AI Alias Vel	site	SRT	T-35400	Aortic Valve
	concept	LN	59130-5	Alias velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
AI Decel Slope	site	SRT	T-35400	Aortic Valve
	concept	LN	20216-8	Deceleration Slope
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s2	mm/s2
AI Decel Time	site	SRT	T-35400	Aortic Valve
	concept	LN	20217-6	Deceleration Time
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	ms	ms
AI End Dias Vel	site	SRT	T-35400	Aortic Valve
	concept	LN	11653-3	End Diastolic Velocity
	direction	SRT	G-0367	Regurgitant Flow
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
AI ERO	site	SRT	T-35400	Aortic Valve

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm2	mm2
AI Flow Rate	site	SRT	T-35400	Aortic Valve
	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm3/s	mm3/s
AI Fraction	site	SRT	T-35400	Aortic Valve
	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	%	Percent
AI P½t	site	SRT	T-35400	Aortic Valve
	concept	LN	20280-4	Pressure Half-Time
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	ms	ms
AI Radius	site	SRT	T-35400	Aortic Valve
	concept	LN	59102-4	Flow Radius
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm	mm
AI Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mmHg	mmHg
AI Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	20351-3	Peak Velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
AI Volume	site	SRT	T-35400	Aortic Valve
	concept	LN	33878-0	Volume Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm3	mm3
AI VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mmHg	mmHg
AI VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	G-0367	Regurgitant Flow

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm/s	mm/s
AI VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm	mm
Ao Arch Diam	site	SRT	T-42300	Aortic arch
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
Ao Arch Dist Diam	site	SRT	T-42300	Aortic arch
	target	SRT	G-A119	Distal
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
Ao Isthmus Diam	site	SRT	T-42310	Aortic isthmus
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
Ao Sinus Diam	site	SRT	T-42200	Structure Sinus of Valsalva
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
Ao ST Jx Diam	site	SRT	T-42102	Aortic Sinotubular Junction
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
AoR Area	site	SRT	T-42110	Root of Aorta
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
AoR Diam (2D)	site	SRT	T-42110	Root of Aorta
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
AoR Diam (MM)	site	SRT	T-42110	Root of Aorta
	concept	SRT	M-02550	Diameter
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
AS Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	59106-5	Stenosis Peak Gradient

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mmHg	mmHg
AS Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	59107-3	Stenosis Peak Velocity
	units	UCUM	mm/s	mm/s
Asc Ao Diam	site	SRT	T-42100	Ascending aorta
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
ASC Ao Max PG	site	SRT	T-42100	Ascending aorta
	concept	LN	20351-3	Peak Velocity
	units	UCUM	mm/s	mm/s
ASC Ao Max PG	site	SRT	T-42100	Ascending aorta
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
Asc Ao Max PG (full)	site	SRT	T-42100	Ascending aorta
	concept	LN	20247-3	Peak Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
Asc Ao Mean PG	site	SRT	T-42100	Ascending aorta
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
Asc Ao Mean PG (full)	site	SRT	T-42100	Ascending aorta
	concept	LN	20256-4	Mean Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
ASD Diam	site	SRT	D4-31220	Atrial Septal Defect
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	derivation	SRT	R-41D2D	Calculated
	units	UCUM	mm	mm
ASD Major	site	SRT	D4-31220	Atrial Septal Defect
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
ASD Minor	site	SRT	D4-31220	Atrial Septal Defect
	concept	SRT	G-A194	Minor Axis
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	20351-3	Peak Velocity

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm/s	mm/s
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	20354-7	Velocity Time Integral
	units	UCUM	mm	mm
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42E61	Retrograde Flow
	units	UCUM	mm/s	mm/s
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
AV Accel	site	SRT	T-35400	Aortic Valve
	concept	LN	20167-3	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
AV Accel	site	SRT	T-35400	Aortic Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
AV Annul Diam	site	SRT	T-35400	Aortic Valve
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-35410	Aortic Valve Ring
	units	UCUM	mm	mm
AV Area	site	SRT	T-35400	Aortic Valve
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
AV Cusp Sep	site	SRT	T-35400	Aortic Valve
	concept	LN	17996-0	Aortic Valve Cusp Separation
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
AV Max PG	site	SRT	T-35400	Aortic Valve
	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
AV Max PG	site	SRT	T-35400	Aortic Valve

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
AV Max PG (full)	site	SRT	T-35400	Aortic Valve
	concept	LN	20247-3	Peak Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
AV Mean PG	site	SRT	T-35400	Aortic Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
AV Mean PG (full)	site	SRT	T-35400	Aortic Valve
	concept	LN	20256-4	Mean Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
AV Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mmHg	mmHg
AV Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm/s	mm/s
AV VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
AV VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
AVA (Vmax)	site	SRT	T-35400	Aortic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm2	mm2
AVA (VTI)	site	SRT	T-35400	Aortic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125215	Continuity Equation by Velocity Time Integral

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm2	mm2
B-C Slope	site	SRT	T-35200	Pulmonic Valve
	concept	LN	59126-3	B-C Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
CI (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	l/min/m2	l/min/m2
CI (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	l/min/m2	l/min/m2
CI (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	l/min/m2	l/min/m2
CI (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	l/min/m2	l/min/m2
CI (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	l/min/m2	l/min/m2
CI (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	l/min/m2	l/min/m2
CI (BP)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	l/min/m2	l/min/m2
CI (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	l/min/m2	l/min/m2
CI (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	l/min/m2	l/min/m2
CO (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	mm3/s	mm3/s
CO (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	mm3/s	mm3/s
CO (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3/s	mm3/s
CO (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3/s	mm3/s
CO (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber

Ped Echo Report Label	MOD Type	CSD	CV	CM
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3/s	mm3/s
CO (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3/s	mm3/s
CO (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	mm3/s	mm3/s
CO (LVOT)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm3/s	mm3/s
CO (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	mm3/s	mm3/s
CO (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	mm3/s	mm3/s
CO (MV)	site	SRT	T-35300	Mitral Valve
	concept	SRT	F-32100	Cardiac Output
	units	UCUM	mm3/s	mm3/s
CO (PV)	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	F-32100	Cardiac Output
	units	UCUM	mm3/s	mm3/s
CO (RVOT)	site	SRT	T-32500	Right Ventricle
	concept	SRT	F-32100	Cardiac Output
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm3/s	mm3/s
CO (TV)	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	F-32100	Cardiac Output
	units	UCUM	mm3/s	mm3/s

Ped Echo Report Label	MOD Type	CSD	CV	CM
Coarctation Diam	site	SRT	D4-32014	Coarctation of aorta
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
Cx	site	SRT	T-43120	Circumflex Coronary Artery
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
Desc Ao Diam	site	SRT	T-42070	Thoracic aorta
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
Desc Ao Max PG	site	SRT	T-42070	Thoracic aorta
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
Desc Ao Max PG	site	SRT	T-42070	Thoracic aorta
	concept	LN	20351-3	Peak Velocity
	units	UCUM	mm/s	mm/s
Desc Ao Max PG (full)	site	SRT	T-42070	Thoracic aorta
	concept	LN	20247-3	Peak Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
Desc Ao Mean PG	site	SRT	T-42070	Thoracic aorta
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
Desc Ao Mean PG (full)	site	SRT	T-42070	Thoracic aorta
	concept	LN	20256-4	Mean Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
E/E` Lateral	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-037B	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	1	no units
E/E` Medial	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-037B	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	1	no units
E`/A` Lateral	site	SRT	T-32600	Left Ventricle
	concept	LN	59129-7	Left Ventricle E to A Tissue Velocity Ratio
	mode	SRT	P5-B0128	Tissue Doppler Imaging

Ped Echo Report Label	MOD Type	CSD	CV	CM
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	1	no units
E`/A` Medial	site	SRT	T-32600	Left Ventricle
	concept	LN	59129-7	Left Ventricle E to A Tissue Velocity Ratio
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	1	no units
EDV (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EDV (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EDV (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
EDV (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
EDV (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EDV (MM-Cubed)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	SRT	G-D705	Volume
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EDV (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EF (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	%	Percent
EF (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	%	Percent
EF (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	%	Percent
EF (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	%	Percent
EF (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	%	Percent
EF (A4C-A/L)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	%	Percent
EF (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	%	Percent
EF (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	%	Percent
EF (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32070	Cardiac ejection fraction
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	%	Percent
ESV (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm3	mm3
ESV (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm3	mm3
ESV (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
ESV (A4C-A/L)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
ESV (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm3	mm3
ESV (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm3	mm3
ESV (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-D705	Volume
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm3	mm3
FS (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	LN	59132-1	Fractional Shortening
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	%	Percent
FS (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	LN	59132-1	Fractional Shortening
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	%	Percent
FS (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	LN	59132-1	Fractional Shortening
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	%	Percent
FS (MM-Teich)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	59132-1	Fractional Shortening
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	%	Percent
Hepatic A Dur	site	SRT	T-48720	Hepatic Vein
	concept	LN	59105-7	A-Wave Duration
	units	UCUM	ms	ms
Hepatic A Vel	site	SRT	T-48720	Hepatic Vein
	concept	LN	59079-4	Peak Reversal Velocity during Atrial Contraction
	units	UCUM	mm/s	mm/s
Hepatic Dias Vel	site	SRT	T-48720	Hepatic Vein
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Hepatic S/D	site	SRT	T-48720	Hepatic Vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	units	UCUM	1	no units
Hepatic Sys Vel	site	SRT	T-48720	Hepatic Vein
	concept	DCM	122204	Systolic blood velocity, peak
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
HR - AV	site	SRT	T-35400	Aortic Valve
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
HR - LV	site	SRT	T-32600	Left Ventricle
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
HR - MV	site	SRT	T-35300	Mitral Valve
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
HR - PV	site	SRT	T-35200	Pulmonic Valve
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
HR - TV	site	SRT	T-35100	Tricuspid Valve
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
IVC A Dur	site	SRT	T-48710	Inferior vena cava
	concept	LN	59105-7	A-Wave Duration
	units	UCUM	ms	ms
IVC A Vel	site	SRT	T-48710	Inferior vena cava

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	59079-4	Peak Reversal Velocity during Atrial Contraction
	units	UCUM	mm/s	mm/s
IVC Diam	site	SRT	T-48710	Inferior vena cava
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
IVC Dias Vel	site	SRT	T-48710	Inferior vena cava
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
IVC S/D	site	SRT	T-48710	Inferior vena cava
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	units	UCUM	1	no units
IVC Sys Vel	site	SRT	T-48710	Inferior vena cava
	concept	DCM	122204	Systolic blood velocity, peak
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
IVCT	site	SRT	T-32600	Left Ventricle
	concept	LN	59084-4	Isovolumic Contraction Time
	units	UCUM	ms	ms
IVRT	site	SRT	T-32600	Left Ventricle
	concept	LN	59083-6	Isovolumic Relaxation Time
	units	UCUM	ms	ms
IVS % (2D)	site	SRT	T-32410	Interventricular septum
	concept	LN	59092-7	% Thickening
	mode	SRT	G-03A2	2D mode
	units	UCUM	%	Percent
IVS % (MM)	site	SRT	T-32410	Interventricular septum
	concept	LN	59092-7	% Thickening
	mode	SRT	G-0394	M mode
	units	UCUM	%	Percent
IVS/LVPW (2D)	site	SRT	T-32600	Left Ventricle
	concept	LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
	mode	SRT	G-03A2	2D mode
	units	UCUM	1	no units
IVS/LVPW (MM)	site	SRT	T-32600	Left Ventricle
	concept	LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
	mode	SRT	G-0394	M mode
	units	UCUM	1	no units
IVSd (2D)	site	SRT	T-32410	Interventricular septum

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
IVSd (MM)	site	SRT	T-32410	Interventricular septum
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
IVSs (2D)	site	SRT	T-32410	Interventricular septum
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
IVSs (MM)	site	SRT	T-32410	Interventricular septum
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-0394	M mode
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LA A2Cs	site	SRT	T-32300	Left Atrium
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LA A2Cs	site	SRT	T-32300	Left Atrium
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm3	mm3
LA A2Cs	site	SRT	T-32300	Left Atrium
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm2	mm2

Ped Echo Report Label	MOD Type	CSD	CV	CM
LA A2Cs	site	SRT	T-32300	Left Atrium
	concept	SRT	M-02550	Diameter
	view	SRT	G-A19B	Apical two chamber
	phase	SRT	R-FAB5B	End Systole
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
LA A4Cs	site	SRT	T-32300	Left Atrium
	concept	SRT	M-02550	Diameter
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
LA A4Cs	site	SRT	T-32300	Left Atrium
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm2	mm2
LA A4Cs	site	SRT	T-32300	Left Atrium
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LA A4Cs	site	SRT	T-32300	Left Atrium
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm3	mm3
LA Dimen (2D)	site	SRT	T-32300	Left Atrium
	concept	DCM	121206	Distance
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
LA Dimen (MM)	site	SRT	T-32300	Left Atrium
	concept	LN	29469-4	Left Atrium Antero-posterior Systolic Dimension
	mode	SRT	G-0394	M mode

Ped Echo Report Label	MOD Type	CSD	CV	CM
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LA ESV (BP)	site	SRT	T-32300	Left Atrium
	concept	SRT	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	mm3	mm3
LA ESV Index (A2C)	site	SRT	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-03	Left Atrium Systolic Volume Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	ml/m2	ml/m2
LA ESV Index (A4C)	site	SRT	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-03	Left Atrium Systolic Volume Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	ml/m2	ml/m2
LA ESV Index (BP)	site	SRT	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-03	Left Atrium Systolic Volume Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	ml/m2	ml/m2
LA/Ao (2D)	site	SRT	T-32300	Left Atrium
	concept	LN	17985-3	Left Atrium to Aortic Root Ratio
	mode	SRT	G-03A2	2D mode
	units	UCUM	1	no units
LA/Ao (MM)	site	SRT	T-32300	Left Atrium
	concept	LN	17985-3	Left Atrium to Aortic Root Ratio
	mode	SRT	G-0394	M mode
	units	UCUM	1	no units
LAD	site	SRT	T-43110	Anterior Descending Branch of Left Coronary Artery
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
LAed Major - A4C	site	SRT	T-32300	Left Atrium
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm	mm
LAed Minor - A4C	site	SRT	T-32300	Left Atrium
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LAes Major - A4C	site	SRT	T-32300	Left Atrium
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LAes Minor - A4C	site	SRT	T-32300	Left Atrium
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
Lat A` Area	site	SRT	T-32600	Left Ventricle
	concept	LN	59125-5	LV VTI A wave US
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	mm	mm
Lat A` Vel	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32030	Atrial Systole
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Lat Accel Time	site	SRT	T-32600	Left Ventricle
	concept	LN	20168-1	Acceleration Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Lat Decel Time	site	SRT	T-32600	Left Ventricle
	concept	LN	20217-6	Deceleration Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Lat E` Area	site	SRT	T-32600	Left Ventricle
	concept	LN	59124-8	LV VTI E wave US
	mode	SRT	P5-B0128	Tissue Doppler Imaging

Ped Echo Report Label	MOD Type	CSD	CV	CM
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	mm	mm
Lat E` Vel	site	SRT	T-32600	Left Ventricle
	concept	LN	59133-9	Peak Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	phase	SRT	R-40B1B	Early Diastole
	units	UCUM	mm/s	mm/s
Lat IVCT	site	SRT	T-32600	Left Ventricle
	concept	LN	59084-4	Isovolumic Contraction Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Lat IVRT	site	SRT	T-32600	Left Ventricle
	concept	LN	59083-6	Isovolumic Relaxation Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Lat S Vel	site	SRT	T-32600	Left Ventricle
	concept	LN	59133-9	Peak Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
Late Dias Slope	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20216-8	Deceleration Slope
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Left Main	site	SRT	T-43107	Left Main Coronary Artery
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
LL PulmV A Dur	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59105-7	A-Wave Duration
	target	SRT	T-48540	Left Inferior Pulmonary Vein
	units	UCUM	ms	ms
LL PulmV A Vel	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59079-4	Peak Reversal Velocity during Atrial Contraction
	target	SRT	T-48540	Left Inferior Pulmonary Vein

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm/s	mm/s
LL PulmV Diam	site	SRT	T-48581	Pulmonary Vein
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-48540	Left Inferior Pulmonary Vein
	units	UCUM	mm	mm
LL PulmV Dias Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122202	Diastolic blood velocity, peak
	target	SRT	T-48540	Left Inferior Pulmonary Vein
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
LL PulmV S/D	site	SRT	T-48581	Pulmonary Vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	target	SRT	T-48540	Left Inferior Pulmonary Vein
	units	UCUM	1	no units
LL PulmV Sys Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122204	Systolic blood velocity, peak
	target	SRT	T-48540	Left Inferior Pulmonary Vein
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
LPA Diam	site	SRT	T-44000	Pulmonary artery
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-44400	Left Pulmonary Artery
	units	UCUM	mm	mm
LPA Max PG	site	SRT	T-44000	Pulmonary artery
	concept	LN	20351-3	Peak Velocity
	target	SRT	T-44400	Left Pulmonary Artery
	units	UCUM	mm/s	mm/s
LPA Max PG	site	SRT	T-44000	Pulmonary artery
	concept	LN	20247-3	Peak Gradient
	target	SRT	T-44400	Left Pulmonary Artery
	units	UCUM	mmHg	mmHg
LPA Mean PG	site	SRT	T-44000	Pulmonary artery
	concept	LN	20256-4	Mean Gradient
	target	SRT	T-44400	Left Pulmonary Artery
	units	UCUM	mmHg	mmHg
LU PulmV A Dur	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59105-7	A-Wave Duration
	target	SRT	T-48530	Left Superior Pulmonary Vein

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	ms	Ms
LU PulmV A Vel	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59079-4	Peak Reversal Velocity during Atrial Contraction
	target	SRT	T-48530	Left Superior Pulmonary Vein
	units	UCUM	mm/s	mm/s
LU PulmV Diam	site	SRT	T-48581	Pulmonary Vein
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-48530	Left Superior Pulmonary Vein
	units	UCUM	mm	Mm
LU PulmV Dias Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122202	Diastolic blood velocity, peak
	target	SRT	T-48530	Left Superior Pulmonary Vein
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
LU PulmV S/D	site	SRT	T-48581	Pulmonary Vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	target	SRT	T-48530	Left Superior Pulmonary Vein
	units	UCUM	1	no units
LU PulmV Sys Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122204	Systolic blood velocity, peak
	target	SRT	T-48530	Left Superior Pulmonary Vein
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
LV dP/dt	site	SRT	T-35300	Mitral Valve
	concept	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity
	units	UCUM	mmHg/s	mmHg/s
LV ET	site	SRT	T-32600	Left Ventricle
	concept	LN	20222-6	Ejection Time
	units	UCUM	ms	Ms
LV ET	site	SRT	T-32600	Left Ventricle
	concept	LN	20222-6	Ejection Time
	mode	SRT	G-0394	M mode
	units	UCUM	ms	Ms
LV Mass (A/L)	site	SRT	T-32600	Left Ventricle
	concept	LN	18087-7	Left Ventricle Mass
	mode	SRT	G-03A2	2D mode
	method	DCM	125270	Left Ventricle Mass by Area Length
	units	UCUM	g	grams
LV Mass (Cubed)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	18087-7	Left Ventricle Mass
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	g	grams
LV Mass Index (A/L)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-01	Left Ventricle Mass Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125270	Left Ventricle Mass by Area Length
	units	UCUM	g/m2	g/m2
LV Mass Index(Cubed)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-01	Left Ventricle Mass Index
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	g/m2	g/m2
LV MPI	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-037F	Left Ventricular Index of Myocardial Performance
	units	UCUM	1	no units
LV PEP	site	SRT	T-32600	Left Ventricle
	concept	LN	59085-1	Pre-Ejection Period
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
LV PEP/ET	site	SRT	T-32600	Left Ventricle
	concept	LN	59088-5	Pre-Ejection Period/Ejection Time Ratio
	units	UCUM	1	no units
LVAd Sax Endo	site	SRT	T-32600	Left Ventricle
	concept	LN	59094-3	Endocardial Area
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm2	mm2
LVAd Sax Epi	site	SRT	T-32600	Left Ventricle
	concept	LN	59093-5	Epicardial Area
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm2	mm2
LVd Area - A2C (A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	phase	SRT	F-32011	End Diastole
	method	DCM	125226	Single Plane Ellipse

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm2	mm2
LVd Area – A4C (A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm2	mm2
LVd Dist - A2C (A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	phase	SRT	F-32011	End Diastole
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm2	mm2
LVd Dist – A4C (A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm2	mm2
LVDP (AI)	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12212-02	Left Ventricle Diastolic Pressure with Aortic Insufficiency
	phase	SRT	F-32011	End Diastole
	units	UCUM	mmHg	mmHg
LVed - SAX CH	site	SRT	T-32600	Left Ventricle
	concept	DCM	121206	Distance
	view	SRT	G-0399	Parasternal short axis at the level of the mitral chords
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVed - SAX PM	site	SRT	T-32600	Left Ventricle
	concept	DCM	121206	Distance
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVed Major - A4C	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm	mm
LVed Minor - A4C	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVes - SAX CH	site	SRT	T-32600	Left Ventricle
	concept	DCM	121206	Distance
	view	SRT	G-0399	Parasternal short axis at the level of the mitral chords
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LVes - SAX PM	site	SRT	T-32600	Left Ventricle
	concept	DCM	121206	Distance
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LVes Major - A4C	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LVes Minor - A4C	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LVETc	site	SRT	T-32600	Left Ventricle
	concept	LN	59086-9	Heart Rate-Corrected Ejection Time
	units	UCUM	ms	ms
LVIDd (2D)	site	SRT	T-32600	Left Ventricle
	concept	LN	59090-1	ROI Internal Dimension by US
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVIDd (MM)	site	SRT	T-32600	Left Ventricle
	concept	LN	59090-1	ROI Internal Dimension by US
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVIDs (2D)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	59090-1	ROI Internal Dimension by US
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LVIDs (MM)	site	SRT	T-32600	Left Ventricle
	concept	LN	59090-1	ROI Internal Dimension by US
	mode	SRT	G-0394	M mode
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
LVLd Apical	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVOT Accel	site	SRT	T-32600	Left Ventricle
	concept	LN	20167-3	Acceleration Slope
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm/s2	mm/s2
LVOT Accel	site	SRT	T-32600	Left Ventricle
	concept	LN	20168-1	Acceleration Time
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	ms	ms
LVOT Area	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm2	mm2
LVOT Diam	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm	mm
LVOT Max PG	site	SRT	T-32600	Left Ventricle
	concept	LN	20351-3	Peak Velocity
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm/s	mm/s
LVOT Max PG	site	SRT	T-32600	Left Ventricle
	concept	LN	20247-3	Peak Gradient
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mmHg	mmHg
LVOT Mean PG	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	20256-4	Mean Gradient
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mmHg	mmHg
LVOT Vmax	site	SRT	T-32600	Left Ventricle
	concept	LN	20247-3	Peak Gradient
	target	SRT	T-32650	Left Ventricle Outflow Tract
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mmHg	mmHg
LVOT Vmax	site	SRT	T-32600	Left Ventricle
	concept	LN	20351-3	Peak Velocity
	target	SRT	T-32650	Left Ventricle Outflow Tract
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm/s	mm/s
LVOT VTI	site	SRT	T-32600	Left Ventricle
	concept	LN	20354-7	Velocity Time Integral
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm	mm
LVOT VTI	site	SRT	T-32600	Left Ventricle
	concept	LN	20352-1	Time Averaged Mean Velocity
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm/s	mm/s
LVPEPc	site	SRT	T-32600	Left Ventricle
	concept	LN	59087-7	Heart Rate-Corrected Pre-Ejection Period
	units	UCUM	ms	ms
LVPW % (2D)	site	SRT	T-32600	Left Ventricle
	concept	LN	59092-7	% Thickening
	mode	SRT	G-03A2	2D mode
	target	SRT	R-42175	Posterior Wall
	units	UCUM	%	Percent
LVPW % (MM)	site	SRT	T-32600	Left Ventricle
	concept	LN	59092-7	% Thickening
	mode	SRT	G-0394	M mode
	target	SRT	R-42175	Posterior Wall
	units	UCUM	%	Percent
LVPWd (2D)	site	SRT	T-32600	Left Ventricle
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	target	SRT	R-42175	Posterior Wall
	units	UCUM	mm	mm

Ped Echo Report Label	MOD Type	CSD	CV	CM
LVPWd (MM)	site	SRT	T-32600	Left Ventricle
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	target	SRT	R-42175	Posterior Wall
	units	UCUM	mm	mm
LVPWs (2D)	site	SRT	T-32600	Left Ventricle
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-03A2	2D mode
	phase	SRT	R-FAB5B	End Systole
	target	SRT	R-42175	Posterior Wall
	units	UCUM	mm	mm
LVPWs (MM)	site	SRT	T-32600	Left Ventricle
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-0394	M mode
	phase	SRT	R-FAB5B	End Systole
	target	SRT	R-42175	Posterior Wall
	units	UCUM	mm	mm
LVs Area - Lv	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	phase	SRT	R-FAB5B	End Systole
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm2	mm2
LVs Area – A4C (A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm2	mm2
LVs Dist - A2C (A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	phase	SRT	R-FAB5B	End Systole
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm2	mm2
LVs Dist – A4C (A/L)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm2	mm2
LVSP (AS)	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12212-01	Left Ventricle Systolic Pressure with Aortic Stenosis
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mmHg	mmHg
Mean VCF	site	SRT	T-32600	Left Ventricle
	concept	LN	59117-2	Mean Velocity of Circumferential Fiber Shortening (Mean VcFv)
	mode	SRT	G-0394	M mode
	units	99PMSBLUS	circ/s	circ/s
Mean VCFc	site	SRT	T-32600	Left Ventricle
	concept	LN	59117-2	Mean Velocity of Circumferential Fiber Shortening (Mean VcFv)
	mode	SRT	G-0394	M mode
	units	99PMSBLUS	circ/s	circ/s
Med A` Area	site	SRT	T-32600	Left Ventricle
	concept	LN	59125-5	LV VTI A wave US
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	mm	mm
Med A` Vel	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32030	Atrial Systole
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Med Accel Time	site	SRT	T-32600	Left Ventricle
	concept	LN	20168-1	Acceleration Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Med Decel Time	site	SRT	T-32600	Left Ventricle
	concept	LN	20217-6	Deceleration Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Med E` Area	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	59124-8	LV VTI E wave US
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	mm	mm
Med E` Vel	site	SRT	T-32600	Left Ventricle
	concept	LN	59133-9	Peak Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	phase	SRT	R-40B1B	Early Diastole
	units	UCUM	mm/s	mm/s
Med IVCT	site	SRT	T-32600	Left Ventricle
	concept	LN	59084-4	Isovolumic Contraction Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Med IVRT	site	SRT	T-32600	Left Ventricle
	concept	LN	59083-6	Isovolumic Relaxation Time
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Med S Vel	site	SRT	T-32600	Left Ventricle
	concept	LN	59133-9	Peak Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
MPA Area	site	SRT	T-44100	Pulmonary Trunk
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
MPA Diam	site	SRT	T-44100	Pulmonary Trunk
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
MPA Max PG	site	SRT	T-44100	Pulmonary Trunk
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
MPA Max PG	site	SRT	T-44100	Pulmonary Trunk
	concept	LN	20351-3	Peak Velocity
	units	UCUM	mm/s	mm/s

Ped Echo Report Label	MOD Type	CSD	CV	CM
MPA Mean PG	site	SRT	T-44100	Pulmonary Trunk
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
MR Alias Vel	site	SRT	T-35300	Mitral Valve
	concept	LN	59130-5	Alias velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
MR ERO	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm2	mm2
MR Flow Rate	site	SRT	T-35300	Mitral Valve
	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm3/s	mm3/s
MR Fraction	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	%	Percent
MR Radius	site	SRT	T-35300	Mitral Valve
	concept	LN	59102-4	Flow Radius
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm	mm
MR Vmax	site	SRT	T-35300	Mitral Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mmHg	mmHg
MR Vmax	site	SRT	T-35300	Mitral Valve
	concept	LN	20351-3	Peak Velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
MR Volume	site	SRT	T-35300	Mitral Valve
	concept	LN	33878-0	Volume Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm3	mm3
MR VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	G-0367	Regurgitant Flow

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mmHg	mmHg
MR VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
MR VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm	mm
MV A Dur	site	SRT	T-35300	Mitral Valve
	concept	LN	59105-7	A-Wave Duration
	units	UCUM	ms	ms
MV A-C Interval	site	SRT	T-35300	Mitral Valve
	concept	LN	59103-2	A-C Interval
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
MV Accel	site	SRT	T-35300	Mitral Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
MV Accel	site	SRT	T-35300	Mitral Valve
	concept	LN	20167-3	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
MV Alias Vel	site	SRT	T-35300	Mitral Valve
	concept	LN	59130-5	Alias velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV Annul Area	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	target	SRT	T-3500E	Cardiac valve annulus
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
MV Annul Diam	site	SRT	T-35300	Mitral Valve
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-3500E	Cardiac valve annulus
	units	UCUM	mm	mm
MV Area	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-A166	Area

Ped Echo Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
MV Area (Ellipse)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	method	DCM	125211	Biplane Ellipse
	units	UCUM	mm2	mm2
MV Area (Planim)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	method	DCM	125220	Planimetry
	units	UCUM	mm2	mm2
MV Closure to Opening	site	SRT	T-35300	Mitral Valve
	concept	LN	59082-8	Closure to Opening Time
	units	UCUM	ms	ms
MV D-E Exc	site	SRT	T-35300	Mitral Valve
	concept	LN	59091-9	D-E Excursion
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
MV D-E Slope	site	SRT	T-35300	Mitral Valve
	concept	LN	59127-1	D-E Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
MV Decel Slope	site	SRT	T-35300	Mitral Valve
	concept	LN	20216-8	Deceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
MV Decel Time	site	SRT	T-35300	Mitral Valve
	concept	LN	20217-6	Deceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
MV DFP	site	SRT	T-35300	Mitral Valve
	concept	SRT	R-0032C	Mitral Diastolic Filling Period (DFPm)
	units	UCUM	ms	ms
MV Diam	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
MV E-E Sep	site	SRT	T-35300	Mitral Valve
	concept	LN	59098-4	Mitral Valve E-septal Separation

Ped Echo Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
MV E-F Slope	site	SRT	T-35300	Mitral Valve
	concept	LN	59128-9	E-F Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
MV E/A	site	SRT	T-35300	Mitral Valve
	concept	LN	59104-0	Peak E wave/Peak A wave by US
	units	UCUM	1	no units
MV EPSS	site	SRT	T-35300	Mitral Valve
	concept	LN	18036-4	Mitral Valve EPSS, E wave
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
MV Major	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-A193	Major Axis
	units	UCUM	mm	mm
MV Mean PG	site	SRT	T-35300	Mitral Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
MV Minor	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-A194	Minor Axis
	units	UCUM	mm	mm
MV Peak A Vel	site	SRT	T-35300	Mitral Valve
	concept	LN	59081-0	A-Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV Peak E Vel	site	SRT	T-35300	Mitral Valve
	concept	LN	59080-2	E-Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV Radius	site	SRT	T-35300	Mitral Valve
	concept	LN	59102-4	Flow Radius
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
MV Vmax	site	SRT	T-35300	Mitral Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
MV Vmax	site	SRT	T-35300	Mitral Valve

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
MV VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MVA (PISA)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	units	UCUM	mm2	mm2
MVA (P½t)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125210	Area by Pressure Half-Time
	units	UCUM	mm2	mm2
MVA (VTI)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125215	Continuity Equation by Velocity Time Integral
	units	UCUM	mm2	mm2
MVA - P½t	site	SRT	T-35300	Mitral Valve
	concept	LN	20280-4	Pressure Half-Time
	units	UCUM	ms	ms
MVA - P½t	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-03	Pressure Half-Time Peak velocity
	units	UCUM	mm/s	mm/s
PA Accel Time	site	SRT	T-44100	Pulmonary Trunk
	concept	LN	20167-3	Acceleration Slope
	units	UCUM	mm/s2	mm/s2
PA Accel Time	site	SRT	T-44100	Pulmonary Trunk
	concept	LN	20168-1	Acceleration Time
	units	UCUM	ms	ms
PAP (AT)	site	SRT	T-35200	Pulmonic Valve
	concept	LN	59101-6	Pulmonary Artery Pressure using Accel Time
	units	UCUM	mmHg	mmHg
PD	site	SRT	T-D0878	Posterior Descending Coronary Artery
	concept	SRT	M-02550	Diameter

Ped Echo Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
PDA Diam	site	SRT	D4-32012	Patent Ductus Arteriosus
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
PDA Dias Vel	site	SRT	D4-32012	Patent Ductus Arteriosus
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
PDA Sys Vel	site	SRT	D4-32012	Patent Ductus Arteriosus
	concept	DCM	122204	Systolic blood velocity, peak
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
PI Decel Slope	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20216-8	Deceleration Slope
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s2	mm/s2
PI Decel Time	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20217-6	Deceleration Time
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	ms	ms
PI End Dias Vel	site	SRT	T-35200	Pulmonic Valve
	concept	LN	11653-3	End Diastolic Velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
PI P½t	site	SRT	T-35200	Pulmonic Valve
	concept	99PMSBLUS	C12222-03	Pressure Half-Time Peak velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
PI P½t	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20280-4	Pressure Half-Time
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	ms	ms
PISA (AI)	site	SRT	T-35400	Aortic Valve
	concept	LN	20226-7	Flow Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm2	mm2
PISA (MR)	site	SRT	T-35300	Mitral Valve

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	20226-7	Flow Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm2	mm2
PISA (TR)	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20226-7	Flow Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm2	mm2
Pulm A Dur	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59105-7	A-Wave Duration
	units	UCUM	ms	ms
Pulm A Vel	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59079-4	Peak Reversal Velocity during Atrial Contraction
	units	UCUM	mm/s	mm/s
Pulm Dias Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Pulm S/D	site	SRT	T-48581	Pulmonary Vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	units	UCUM	1	no units
Pulm Sys Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122204	Systolic blood velocity, peak
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
PV Accel	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
PV Accel	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20167-3	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
PV Annul Diam	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-3500E	Cardiac valve annulus
	units	UCUM	mm	mm
PV Max PG	site	SRT	T-35200	Pulmonic Valve

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
PV Max PG	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
PV Mean PG	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
PV Vmax	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mmHg	mmHg
PV Vmax	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20351-3	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm/s	mm/s
PV VTI	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
PV VTI	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
PVA (Vmax)	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm2	mm2
PVA (VTI)	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125215	Continuity Equation by Velocity Time Integral
	units	UCUM	mm2	mm2
Qp/Qs	site	SRT	P5-30031	Cardiac Shunt Study
	concept	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio
	units	UCUM	1	no units

Ped Echo Report Label	MOD Type	CSD	CV	CM
RA Dimen (2D)	site	SRT	T-32200	Right Atrium
	concept	DCM	121206	Distance
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
RA Dimen (MM)	site	SRT	T-32200	Right Atrium
	concept	SRT	M-02550	Diameter
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
RA Pressure	site	SRT	T-32200	Right Atrium
	concept	SRT	F-31000	Blood Pressure
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mmHg	mmHg
RAed Major - A4C	site	SRT	T-32200	Right Atrium
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RAed Minor - A4C	site	SRT	T-32200	Right Atrium
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RAes Major - A4C	site	SRT	T-32200	Right Atrium
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
RAes Minor - A4C	site	SRT	T-32200	Right Atrium
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
RCA	site	SRT	T-43203	Right Coronary Artery
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
RL PulmV A Dur	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59105-7	A-Wave Duration
	target	SRT	T-48520	Right Inferior Pulmonary Vein
	units	UCUM	ms	ms

Ped Echo Report Label	MOD Type	CSD	CV	CM
RL PulmV A Vel	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59079-4	Peak Reversal Velocity during Atrial Contraction
	target	SRT	T-48520	Right Inferior Pulmonary Vein
	units	UCUM	mm/s	mm/s
RL PulmV Diam	site	SRT	T-48581	Pulmonary Vein
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-48520	Right Inferior Pulmonary Vein
	units	UCUM	mm	mm
RL PulmV Dias Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122202	Diastolic blood velocity, peak
	target	SRT	T-48520	Right Inferior Pulmonary Vein
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
RL PulmV S/D	site	SRT	T-48581	Pulmonary Vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	target	SRT	T-48520	Right Inferior Pulmonary Vein
	units	UCUM	1	no units
RL PulmV Sys Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122204	Systolic blood velocity, peak
	target	SRT	T-48520	Right Inferior Pulmonary Vein
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
RPA Diam	site	SRT	T-44000	Pulmonary artery
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-44200	Right Pulmonary Artery
	units	UCUM	mm	mm
RPA Max PG	site	SRT	T-44000	Pulmonary artery
	concept	LN	20351-3	Peak Velocity
	target	SRT	T-44200	Right Pulmonary Artery
	units	UCUM	mm/s	mm/s
RPA Max PG	site	SRT	T-44000	Pulmonary artery
	concept	LN	20247-3	Peak Gradient
	target	SRT	T-44200	Right Pulmonary Artery
	units	UCUM	mmHg	mmHg
RPA Mean PG	site	SRT	T-44000	Pulmonary artery
	concept	LN	20256-4	Mean Gradient
	target	SRT	T-44200	Right Pulmonary Artery
	units	UCUM	mmHg	mmHg

Ped Echo Report Label	MOD Type	CSD	CV	CM
RU PulmV A Dur	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59105-7	A-Wave Duration
	target	SRT	T-48510	Right Superior Pulmonary Vein
	units	UCUM	ms	ms
RU PulmV A Vel	site	SRT	T-48581	Pulmonary Vein
	concept	LN	59079-4	Peak Reversal Velocity during Atrial Contraction
	target	SRT	T-48510	Right Superior Pulmonary Vein
	units	UCUM	mm/s	mm/s
RU PulmV Diam	site	SRT	T-48581	Pulmonary Vein
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-48510	Right Superior Pulmonary Vein
	units	UCUM	mm	mm
RU PulmV Dias Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122202	Diastolic blood velocity, peak
	target	SRT	T-48510	Right Superior Pulmonary Vein
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
RU PulmV S/D	site	SRT	T-48581	Pulmonary Vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	target	SRT	T-48510	Right Superior Pulmonary Vein
	units	UCUM	1	no units
RU PulmV Sys Vel	site	SRT	T-48581	Pulmonary Vein
	concept	DCM	122204	Systolic blood velocity, peak
	target	SRT	T-48510	Right Superior Pulmonary Vein
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm/s	mm/s
RV ET	site	SRT	T-32500	Right Ventricle
	concept	LN	20222-6	Ejection Time
	units	UCUM	ms	ms
RV ET	site	SRT	T-32500	Right Ventricle
	concept	LN	20222-6	Ejection Time
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
RV MPI	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-0381	Right Ventricular Index of Myocardial Performance
	units	UCUM	1	no units
RV PEP	site	SRT	T-32500	Right Ventricle
	concept	LN	59085-1	Pre-Ejection Period
	mode	SRT	G-0394	M mode

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	ms	ms
RV PEP/ET	site	SRT	T-32500	Right Ventricle
	concept	LN	59088-5	Pre-Ejection Period/Ejection Time Ratio
	units	UCUM	1	no units
RVAWd (2D)	site	SRT	T-32500	Right Ventricle
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	target	SRT	R-4210B	Anterior Wall
	units	UCUM	mm	mm
RVAWd (MM)	site	SRT	T-32500	Right Ventricle
	concept	LN	59089-3	ROI Thickness by US
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	target	SRT	R-4210B	Anterior Wall
	units	UCUM	mm	mm
RVed Major - A4C	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RVed Minor - A4C	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RVes Major - A4C	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
RVes Minor - A4C	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mm	mm
RVIDd (2D)	site	SRT	T-32500	Right Ventricle
	concept	LN	59090-1	ROI Internal Dimension by US
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm	mm
RVIDd (MM)	site	SRT	T-32500	Right Ventricle
	concept	LN	59090-1	ROI Internal Dimension by US
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RVOT Accel	site	SRT	T-32500	Right Ventricle
	concept	LN	20167-3	Acceleration Slope
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm/s2	mm/s2
RVOT Accel	site	SRT	T-32500	Right Ventricle
	concept	LN	20168-1	Acceleration Time
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	ms	ms
RVOT Area	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm2	mm2
RVOT Diam	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm	mm
RVOT Max PG	site	SRT	T-32500	Right Ventricle
	concept	LN	20351-3	Peak Velocity
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm/s	mm/s
RVOT Max PG	site	SRT	T-32500	Right Ventricle
	concept	LN	20247-3	Peak Gradient
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mmHg	mmHg
RVOT Mean PG	site	SRT	T-32500	Right Ventricle
	concept	LN	20256-4	Mean Gradient
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mmHg	mmHg
RVOT Vmax	site	SRT	T-32500	Right Ventricle
	concept	LN	20247-3	Peak Gradient
	target	SRT	T-32550	Right Ventricle Outflow Tract
	method	DCM	125214	Continuity Equation by Peak Velocity

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mmHg	mmHg
RVOT Vmax	site	SRT	T-32500	Right Ventricle
	concept	LN	20351-3	Peak Velocity
	target	SRT	T-32550	Right Ventricle Outflow Tract
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm/s	mm/s
RVOT VTI	site	SRT	T-32500	Right Ventricle
	concept	LN	20352-1	Time Averaged Mean Velocity
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm/s	mm/s
RVOT VTI	site	SRT	T-32500	Right Ventricle
	concept	LN	20354-7	Velocity Time Integral
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm	mm
RVPEPc	site	SRT	T-32500	Right Ventricle
	concept	LN	59087-7	Heart Rate-Corrected Pre-Ejection Period
	units	UCUM	ms	ms
RVSP	site	SRT	T-32500	Right Ventricle
	concept	SRT	F-31000	Blood Pressure
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mmHg	mmHg
RVSP (VSD)	site	SRT	D4-31150	Ventricular Septal Defect
	concept	SRT	F-31000	Blood Pressure
	phase	SRT	R-FAB5B	End Systole
	units	UCUM	mmHg	mmHg
SI (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	ml/m2	ml/m2
SI (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	ml/m2	ml/m2
SI (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	ml/m2	ml/m2
SI (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	ml/m2	ml/m2
SI (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	ml/m2	ml/m2
SI (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	ml/m2	ml/m2
SI (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	ml/m2	ml/m2
SI (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	ml/m2	ml/m2
SI (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	ml/m2	ml/m2
SV (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	mm3	mm3
SV (2D-Teich)	site	SRT	T-32600	Left Ventricle

Ped Echo Report Label	MOD Type	CSD	CV	CM
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	mm3	mm3
SV (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
SV (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
SV (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
SV (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
SV (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	mm3	mm3
SV (LVOT)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	target	SRT	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm3	mm3
SV (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-0394	M mode

Ped Echo Report Label	MOD Type	CSD	CV	CM
	method	DCM	125206	Cube Method
	units	UCUM	mm3	mm3
SV (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	mm3	mm3
SV (MV)	site	SRT	T-35300	Mitral Valve
	concept	SRT	F-32120	Stroke Volume
	units	UCUM	mm3	mm3
SV (PV)	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	F-32120	Stroke Volume
	units	UCUM	mm3	mm3
SV (RVOT)	site	SRT	T-32500	Right Ventricle
	concept	SRT	F-32120	Stroke Volume
	target	SRT	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm3	mm3
SV (TV)	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	F-32120	Stroke Volume
	units	UCUM	mm3	mm3
SVC A Dur	site	SRT	M-2460D	Right Superior vena cava
	concept	LN	59105-7	A-Wave Duration
	units	UCUM	ms	ms
SVC A Vel	site	SRT	M-2460D	Right Superior vena cava
	concept	LN	59079-4	Peak Reversal Velocity during Atrial Contraction
	units	UCUM	mm/s	mm/s
SVC Diam	site	SRT	M-2460D	Right Superior vena cava
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
SVC Dias Vel	site	SRT	M-2460D	Right Superior vena cava
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
SVC S/D	site	SRT	M-2460D	Right Superior vena cava
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	units	UCUM	1	no units
SVC Sys Vel	site	SRT	M-2460D	Right Superior vena cava
	concept	DCM	122204	Systolic blood velocity, peak
	phase	SRT	R-FAB5B	End Systole

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm/s	mm/s
Tei Index	site	SRT	T-35300	Mitral Valve
	concept	LN	59099-2	Myocardial Performance Index (Tei)
	units	UCUM	1	no units
Time to Lat E`	site	SRT	T-32600	Left Ventricle
	concept	LN	59096-8	Time to Left Ventricle E Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Time to Lat S	site	SRT	T-32600	Left Ventricle
	concept	LN	59095-0	Time to Left Ventricle S Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Time to Med E`	site	SRT	T-32600	Left Ventricle
	concept	LN	59096-8	Time to Left Ventricle E Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Time to Med S	site	SRT	T-32600	Left Ventricle
	concept	LN	59095-0	Time to Left Ventricle S Tissue Velocity
	mode	SRT	P5-B0128	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
TR Alias Vel	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59130-5	Alias velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
TR ERO	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm2	mm2
TR Flow Rate	site	SRT	T-35100	Tricuspid Valve
	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm3/s	mm3/s
TR Fraction	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	G-0367	Regurgitant Flow

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	%	Percent
TR Radius	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59102-4	Flow Radius
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm	mm
TR Vmax	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20351-3	Peak Velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
TR Vmax	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mmHg	mmHg
TR Volume	site	SRT	T-35100	Tricuspid Valve
	concept	LN	33878-0	Volume Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm3	mm3
TR VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm/s	mm/s
TR VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mm	mm
TR VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	G-0367	Regurgitant Flow
	units	UCUM	mmHg	mmHg
TV A Dur	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59105-7	A-Wave Duration
	units	UCUM	ms	ms
TV A-C Interval	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59103-2	A-C Interval
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
TV Accel	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20167-3	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm/s2	mm/s2
TV Accel	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
TV Alias Vel	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59130-5	Alias velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV Annul Area	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	target	SRT	T-3500E	Cardiac valve annulus
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
TV Annul Diam	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	target	SRT	T-3500E	Cardiac valve annulus
	units	UCUM	mm	mm
TV Area	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-A166	Area
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
TV Closure to Opening	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59082-8	Closure to Opening Time
	units	UCUM	ms	ms
TV D-E Exc	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59091-9	D-E Excursion
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
TV D-E Slope	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59127-1	D-E Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
TV Decel Slope	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20216-8	Deceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
TV Decel Time	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20217-6	Deceleration Time

Ped Echo Report Label	MOD Type	CSD	CV	CM
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
TV DFP	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	R-003A9	Tricuspid Diastolic Filling Period (DFPt)
	units	UCUM	ms	ms
TV Diam	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
TV E-F Slope	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59128-9	E-F Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
TV E/A	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59104-0	Peak E wave/Peak A wave by US
	units	UCUM	1	no units
TV Mean PG	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
TV Peak A Vel	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59081-0	A-Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV Peak E Vel	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59080-2	E-Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV P½t	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-03	Pressure Half-Time Peak velocity
	units	UCUM	mm/s	mm/s
TV P½t	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20280-4	Pressure Half-Time
	units	UCUM	ms	ms
TV Radius	site	SRT	T-35100	Tricuspid Valve
	concept	LN	59102-4	Flow Radius
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
TV Vmax	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20351-3	Peak Velocity

Ped Echo Report Label	MOD Type	CSD	CV	CM
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV Vmax	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
TV VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20352-1	Time Averaged Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
TVA (PISA)	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	units	UCUM	mm2	mm2
VSD Diam	site	SRT	D4-31150	Ventricular Septal Defect
	concept	SRT	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	derivation	SRT	R-41D2D	Calculated
	units	UCUM	mm	mm
VSD Major	site	SRT	D4-31150	Ventricular Septal Defect
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
VSD Minor	site	SRT	D4-31150	Ventricular Septal Defect
	concept	SRT	G-A194	Minor Axis
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
VSD Vmax	site	SRT	D4-31150	Ventricular Septal Defect
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
VSD Vmax	site	SRT	D4-31150	Ventricular Septal Defect
	concept	LN	20351-3	Peak Velocity
	units	UCUM	mm/s	mm/s
Wall Stress	site	SRT	T-32600	Left Ventricle
	concept	LN	59097-6	Left Ventricle Meridional Wall Stress
	mode	SRT	G-0394	M mode

Ped Echo Report Label	MOD Type	CSD	CV	CM
	units	UCUM	g/m2	g/m2

A.7.1 Pediatric Echo Study Info

CSD	CV	CM	Type
SRT	D3-81660	Acute febrile mucocutaneous lymph node syndrome	CHECK
SRT	D3-29022	Aortic regurgitation	CHECK
SRT	D3-29021	Aortic stenosis	CHECK
SRT	D3-30000	Arrhythmia	CHECK
99PMSBLUS	T9910-176	Arrhythmia Type	TEXT
SRT	D4-31220	Atrial Septal Defect	CHECK
SRT	D4-31310	Atrial septal defect with endocardial cushion defect, partial type	CHECK
DCM	122246	BSA = 0.0004688*WT^(0.8168-0.0154*log(WT))	CHECK
DCM	A-11100	Cardiac pacemaker	CHECK
SRT	D3-10008	Cardiomegaly	CHECK
99PMSBLUS	T9910-180	Cardiomyopathy Type	TEXT
SRT	F-37000	Chest Pain	CHECK
SRT	D4-32014	Coarctation of the Aorta	CHECK
DCM	121106	Comment	TEXT
SRT	D4-31303	Common atrioventricular canal	CHECK
SRT	D4-31010	Complete transposition of great vessels	CHECK
SRT	M-04100	Cyanosis	CHECK
SRT	D4-31B16	Dextrocardia	CHECK
SRT	F-008ED	Diastolic Blood Pressure	NUM
SRT	F-201B3	Dyspnea	CHECK
SRT	F-0A44A	Fever	CHECK
SRT	F-24210	Hemoptysis	CHECK
SRT	F-0331B	HIV Positive	CHECK
SRT	D3-02000	Hypertension	CHECK
99PMSBLUS	T9910-181	Infections Type	TEXT
SRT	G-0586	Insulin dependent mother (IDM)	CHECK
SRT	D3-83001	Interrupted Aortic Arch	CHECK
SRT	D4-31B24	Mesocardia	CHECK
SRT	D3-29012	Mitral regurgitation	CHECK
SRT	D3-29011	Mitral stenosis	CHECK
SRT	D3-29013	Mitral valve prolapse	CHECK
SRT	R-00302	Murmur	CHECK
99PMSBLUS	T9910-178	Murmur Type	TEXT
SRT	D4-33622	Partial anomalous pulmonary venous connection	CHECK
SRT	D4-32012	Patent Ductus Arteriosus	CHECK

CSD	CV	CM	Type
SRT	D3-29051	Pulmonic valve stenosis	CHECK
SRT	D3-17100	Rheumatic Fever	CHECK
99PMSBLUS	T9910-182	Surgeries Type	TEXT
SRT	D3-00006	Syncope	CHECK
SRT	F-008EC	Systolic Blood Pressure	NUM
SRT	D4-31110	Tetralogy of Fallot	CHECK
SRT	D4-31150	Ventricular Septal Defect	CHECK

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A.8 TID 995300 PEDIATRIC ECHO PROCEDURE REPORT (PRIVATE)

The following tables present information used in Structured Reports for this template.

The tables are sorted by the Label value, which corresponds to the label displayed in the analysis application and reports displayed on the system.

All system measurements and calculations exported will be listed by alphabetically by Label Name. The table will include the actual Coding Scheme Designator, Code Value and Code Meaning used for that label.

In the table below, the following terms are used:

CSD	Coding Scheme Designator
CV	Code Value
CM	Code Meaning
Mod Type	Concept Modifier Type

"Mod Type" Field

Site	The finding site as specified by the template
Concept	The code sequence as defined by the CSD
Direction	Regurgitant or antegrade flow
Disk	Simpsons disk number
Target	Location
Mode	The imaging mode used for this value
Method	Measurement or Calculation method used
Phase	Cardiac Phase
View	Echocardiography Image View
Derivation	Calculation Method
Result	Result identifier
Units	Units identifier

Priv Ped Report Label	MOD Type	CSD	CV	CM
A Wave Amp	site	SRT	T-35200	Pulmonic Valve
	concept	99PMSBLUS	C12209-02	A Wave Amp
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
A2Cd	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-A166	Area
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
A2Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm

Priv Ped Report Label	MOD Type	CSD	CV	CM
A2Cd	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
A2Cd	site	SRT	T-32600	Left Ventricle
	concept	SNM3	M-02550	Diameter
	view	SRT	G-A19B	Apical two chamber
	phase	SRT	F-32011	End Diastole
	method	DCM	125208	Method of Disks, Single Plane
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
A2Cs	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-A166	Area
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
A2Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
A2Cs	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
A2Cs	site	SRT	T-32600	Left Ventricle
	concept	SNM3	M-02550	Diameter
	view	SRT	G-A19B	Apical two chamber
	phase	DCM	109070	End Systole
	method	DCM	125208	Method of Disks, Single Plane

Priv Ped Report Label	MOD Type	CSD	CV	CM
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
A4Cd	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-A166	Area
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
A4Cd	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
A4Cd	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
A4Cd	site	SRT	T-32600	Left Ventricle
	concept	SNM3	M-02550	Diameter
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	method	DCM	125208	Method of Disks, Single Plane
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
A4Cs	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-A166	Area
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
A4Cs	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	mode	SRT	G-03A2	2D mode

Priv Ped Report Label	MOD Type	CSD	CV	CM
	phase	DCM	109070	End Systole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
A4Cs	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
A4Cs	site	SRT	T-32600	Left Ventricle
	concept	SNM3	M-02550	Diameter
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	method	DCM	125208	Method of Disks, Single Plane
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
AI Accel	site	SRT	T-35400	Aortic Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	ms	ms
AI Accel	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12222-04	Acceleration Slope
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s2	mm/s2
AI Alias Vel	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12222-02	Alias velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
AI Decel Slope	site	SRT	T-35400	Aortic Valve
	concept	LN	20216-8	Deceleration Slope
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s2	mm/s2
AI Decel Time	site	SRT	T-35400	Aortic Valve
	concept	LN	20217-6	Deceleration Time
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	ms	ms
AI End Dias Vel	site	SRT	T-35400	Aortic Valve
	concept	LN	11653-3	End Diastolic Velocity

Priv Ped Report Label	MOD Type	CSD	CV	CM
	direction	SRT	R-42E61	Regurgitant Flow
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
AI ERO	site	SRT	T-35400	Aortic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm2	mm2
AI Flow Rate	site	SRT	T-35400	Aortic Valve
	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm3/s	mm3/s
AI Fraction	site	SRT	T-35400	Aortic Valve
	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	%	Percent
AI P½t	site	SRT	T-35400	Aortic Valve
	concept	LN	20280-4	Pressure Half-Time
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	ms	ms
AI Radius	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12222-01	Flow Radius
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm	mm
AI Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
AI Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mmHg	mmHg
AI Volume	site	SRT	T-35400	Aortic Valve
	concept	LN	33878-0	Volume Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm3	mm3
AI VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42E61	Regurgitant Flow

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mmHg	mmHg
AI VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20352-1	Mean Velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
AI VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm	mm
Ao Arch Diam	site	SNM3	T-42300	Aortic arch
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
Ao Arch Dist Diam	site	99PMSBLUS	C12242-01	Distal Aorta
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
Ao Isthmus Diam	site	SRT	T-42310	Aortic isthmus
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
Ao Sinus Diam	site	99SUP78	C12245-02	Aortic sinus
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
Ao ST Jx Diam	site	99SUP78	C12245-01	Aortic sinotubular junction
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
AoR Area	site	SRT	F-04403	Aortic root
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
AoR Diam (2D)	site	SRT	F-04403	Aortic root
	concept	SNM3	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
AoR Diam (MM)	site	SRT	F-04403	Aortic root
	concept	SNM3	M-02550	Diameter
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
AS Vmax	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12222-09	Stenosis Peak Gradient
	units	UCUM	mmHg	mmHg
AS Vmax	site	SRT	T-35400	Aortic Valve

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	99PMSBLUS	C12222-10	Stenosis Peak Velocity
	units	UCUM	mm/s	mm/s
Asc Ao Diam	site	SNM3	T-42100	Ascending aorta
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
ASC Ao Max PG	site	SNM3	T-42100	Ascending aorta
	concept	LN	11726-7	Peak Velocity
	units	UCUM	mm/s	mm/s
ASC Ao Max PG	site	SNM3	T-42100	Ascending aorta
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
Asc Ao Max PG (full)	site	SNM3	T-42100	Ascending aorta
	concept	LN	20247-3	Peak Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
Asc Ao Mean PG	site	SNM3	T-42100	Ascending aorta
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
Asc Ao Mean PG (full)	site	SNM3	T-42100	Ascending aorta
	concept	LN	20256-4	Mean Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
ASD Diam	site	SRT	D4-31220	Atrial Septal Defect
	concept	SNM3	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	derivation	DCM	121428	Calculated
	units	UCUM	mm	mm
ASD Major	site	SRT	D4-31220	Atrial Septal Defect
	concept	SRT	G-A193	Major Axis
	units	UCUM	mm	mm
ASD Minor	site	SRT	D4-31220	Atrial Septal Defect
	concept	SRT	G-A194	Minor Axis
	units	UCUM	mm	mm
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	11726-7	Peak Velocity
	units	UCUM	mm/s	mm/s
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	20352-1	Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
ASD VTI	site	SRT	D4-31220	Atrial Septal Defect
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
AV Accel	site	SRT	T-35400	Aortic Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
AV Accel	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12222-04	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
AV Annul Diam	site	SRT	T-35400	Aortic Valve
	concept	SNM3	M-02550	Diameter
	target	SRT	T-35410	Aortic Valve Ring
	units	UCUM	mm	mm
AV Area	site	SRT	T-35400	Aortic Valve
	concept	SNM3	G-A166	Area
	units	UCUM	mm2	mm2
AV Cusp Sep	site	SRT	T-35400	Aortic Valve
	concept	LN	17996-0	Aortic Valve Cusp Separation
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
AV Max PG	site	SRT	T-35400	Aortic Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
AV Max PG	site	SRT	T-35400	Aortic Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
AV Max PG (full)	site	SRT	T-35400	Aortic Valve
	concept	LN	20247-3	Peak Gradient

Priv Ped Report Label	MOD Type	CSD	CV	CM
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
AV Mean PG	site	SRT	T-35400	Aortic Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
AV Mean PG (full)	site	SRT	T-35400	Aortic Valve
	concept	LN	20256-4	Mean Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
AV Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm/s	mm/s
AV Vmax	site	SRT	T-35400	Aortic Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mmHg	mmHg
AV VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20352-1	Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
AV VTI	site	SRT	T-35400	Aortic Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
AVA (Vmax)	site	SRT	T-35400	Aortic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm2	mm2
AVA (VTI)	site	SRT	T-35400	Aortic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125215	Continuity Equation by Velocity Time Integral
	units	UCUM	mm2	mm2
B-C Slope	site	SRT	T-35200	Pulmonic Valve
	concept	99PMSBLUS	C12209-03	B-C Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s

Priv Ped Report Label	MOD Type	CSD	CV	CM
CI (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	l/min/m2	l/min/m2
CI (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	l/min/m2	l/min/m2
CI (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	l/min/m2	l/min/m2
CI (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	l/min/m2	l/min/m2
CI (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	l/min/m2	l/min/m2
CI (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	l/min/m2	l/min/m2
CI (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	l/min/m2	l/min/m2
CI (MM-Cubed)	site	SRT	T-32600	Left Ventricle

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	l/min/m2	l/min/m2
CI (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32110	Cardiac Index
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	l/min/m2	l/min/m2
CO (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	mm3/s	mm3/s
CO (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	mm3/s	mm3/s
CO (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3/s	mm3/s
CO (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3/s	mm3/s
CO (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3/s	mm3/s
CO (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode

Priv Ped Report Label	MOD Type	CSD	CV	CM
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3/s	mm3/s
CO (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	mm3/s	mm3/s
CO (LVOT)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm3/s	mm3/s
CO (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	mm3/s	mm3/s
CO (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32100	Cardiac Output
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	mm3/s	mm3/s
CO (MV)	site	SRT	T-35300	Mitral Valve
	concept	SRT	F-32100	Cardiac Output
	units	UCUM	mm3/s	mm3/s
CO (PV)	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	F-32100	Cardiac Output
	units	UCUM	mm3/s	mm3/s
CO (RVOT)	site	SRT	T-32500	Right Ventricle
	concept	SRT	F-32100	Cardiac Output
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm3/s	mm3/s
CO (TV)	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	F-32100	Cardiac Output
	units	UCUM	mm3/s	mm3/s
Coarctation Diam	site	SRT	D4-32014	Coarctation of aorta
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
Cx	site	SNM3	T-43120	Circumflex Coronary Artery
	concept	SNM3	M-02550	Diameter

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm	mm
Desc Ao Diam	site	SNM3	T-42070	Thoracic aorta
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
Desc Ao Max PG	site	SNM3	T-42070	Thoracic aorta
	concept	LN	11726-7	Peak Velocity
	units	UCUM	mm/s	mm/s
Desc Ao Max PG	site	SNM3	T-42070	Thoracic aorta
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
Desc Ao Max PG (full)	site	SNM3	T-42070	Thoracic aorta
	concept	LN	20247-3	Peak Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
Desc Ao Mean PG	site	SNM3	T-42070	Thoracic aorta
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
Desc Ao Mean PG (full)	site	SNM3	T-42070	Thoracic aorta
	concept	LN	20256-4	Mean Gradient
	method	DCM	125217	Full Bernoulli
	units	UCUM	mmHg	mmHg
E/E` Lateral	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-037B	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	1	no units
E/E` Medial	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-037B	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	1	no units
E`/A` Lateral	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-09	Ratio of LV E to A Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	1	no units
E`/A` Medial	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-09	Ratio of LV E to A Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	1	no units
EDV (2D-Cubed)	site	SRT	T-32600	Left Ventricle

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EDV (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EDV (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
EDV (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
EDV (BP)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EDV (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EDV (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-0394	M mode

Priv Ped Report Label	MOD Type	CSD	CV	CM
	method	DCM	125209	Teichholz
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm3	mm3
EF (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	%	Percent
EF (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	%	Percent
EF (A2C)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	%	Percent
EF (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	%	Percent
EF (A4C)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	%	Percent
EF (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	%	Percent
EF (BP)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-03A2	2D mode

Priv Ped Report Label	MOD Type	CSD	CV	CM
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	%	Percent
EF (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	%	Percent
EF (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3467-01	Ejection Fraction
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	%	Percent
ESV (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	phase	DCM	109070	End Systole
	units	UCUM	mm3	mm3
ESV (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	phase	DCM	109070	End Systole
	units	UCUM	mm3	mm3
ESV (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
ESV (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
ESV (BP)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume

Priv Ped Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	phase	DCM	109070	End Systole
	units	UCUM	mm3	mm3
ESV (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	phase	DCM	109070	End Systole
	units	UCUM	mm3	mm3
ESV (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SNM3	G-D705	Volume
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	phase	DCM	109070	End Systole
	units	UCUM	mm3	mm3
FS (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12239-02	Fractional Shortening
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	%	Percent
FS (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12239-02	Fractional Shortening
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	%	Percent
FS (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12239-02	Fractional Shortening
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	%	Percent
FS (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12239-02	Fractional Shortening
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	%	Percent
Hepatic A Dur	site	99PMSBLUS	T5200-01	Hepatic Veins
	concept	99PMSBLUS	C3613-08	A Wave Duration
	units	UCUM	ms	ms
Hepatic A Vel	site	99PMSBLUS	T5200-01	Hepatic Veins

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	99PMSBLUS	C3612-01	Atrial Contraction Reversal Peak Velocity
	units	UCUM	mm/s	mm/s
Hepatic Dias Vel	site	99PMSBLUS	T5200-01	Hepatic Veins
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Hepatic S/D	site	99PMSBLUS	T5200-01	Hepatic Veins
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	units	UCUM	1	no units
Hepatic Sys Vel	site	99PMSBLUS	T5200-01	Hepatic Veins
	concept	DCM	122204	Systolic blood velocity, peak
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
HR - AV	site	SRT	T-35400	Aortic Valve
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
HR - LV	site	SRT	T-32600	Left Ventricle
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
HR - MV	site	SRT	T-35300	Mitral Valve
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
HR - PV	site	SRT	T-35200	Pulmonic Valve
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
HR - TV	site	SRT	T-35100	Tricuspid Valve
	concept	LN	8867-4	Heart Rate
	units	UCUM	{H.B.}/min	bpm
IVC A Dur	site	SNM3	T-48710	Inferior vena cava
	concept	99PMSBLUS	C3613-08	A Wave Duration
	units	UCUM	ms	ms
IVC A Vel	site	SNM3	T-48710	Inferior vena cava
	concept	99PMSBLUS	C3612-01	Atrial Contraction Reversal Peak Velocity
	units	UCUM	mm/s	mm/s
IVC Diam	site	SNM3	T-48710	Inferior vena cava
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
IVC Dias Vel	site	SNM3	T-48710	Inferior vena cava
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm/s	mm/s
IVC S/D	site	SNM3	T-48710	Inferior vena cava
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	units	UCUM	1	no units
IVC Sys Vel	site	SNM3	T-48710	Inferior vena cava
	concept	DCM	122204	Systolic blood velocity, peak
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
IVCT	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-03	Isovolumic Contraction Time
	units	UCUM	ms	ms
IVRT	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-02	Isovolumic Relaxation Time
	units	UCUM	ms	ms
IVS % (2D)	site	SRT	T-32410	Interventricular septum
	concept	99PMSBLUS	C7470-28	% Thickening
	mode	SRT	G-03A2	2D mode
	units	UCUM	%	Percent
IVS % (MM)	site	SRT	T-32410	Interventricular septum
	concept	99PMSBLUS	C7470-28	% Thickening
	mode	SRT	G-0394	M mode
	units	UCUM	%	Percent
IVS/LVPW (2D)	site	SRT	T-32600	Left Ventricle
	concept	LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
	mode	SRT	G-03A2	2D mode
	units	UCUM	1	no units
IVS/LVPW (MM)	site	SRT	T-32600	Left Ventricle
	concept	LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
	mode	SRT	G-0394	M mode
	units	UCUM	1	no units
IVSd (2D)	site	SRT	T-32410	Interventricular septum
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
IVSd (MM)	site	SRT	T-32410	Interventricular septum
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm

Priv Ped Report Label	MOD Type	CSD	CV	CM
IVSs (2D)	site	SRT	T-32410	Interventricular septum
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
IVSs (MM)	site	SRT	T-32410	Interventricular septum
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-0394	M mode
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LA A2Cs	site	SNM3	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-02	Left Atrium MOD Diam
	view	SRT	G-A19B	Apical two chamber
	phase	DCM	109070	End Systole
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm
LA A2Cs	site	SNM3	T-32300	Left Atrium
	concept	LN	17977-0	Left Atrium Systolic Area
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
LA A2Cs	site	SNM3	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-01	Left Atrium systolic major axis
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
LA A2Cs	site	SNM3	T-32300	Left Atrium
	concept	SRT	G-0383	Left Atrium Systolic Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
LA A4Cs	site	SNM3	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-02	Left Atrium MOD Diam
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	disk	99PMSBLUS	T5203-01	Simpsons disk number
	units	UCUM	mm	mm

Priv Ped Report Label	MOD Type	CSD	CV	CM
LA A4Cs	site	SNM3	T-32300	Left Atrium
	concept	LN	17977-0	Left Atrium Systolic Area
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm2	mm2
LA A4Cs	site	SNM3	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-01	Left Atrium systolic major axis
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm	mm
LA A4Cs	site	SNM3	T-32300	Left Atrium
	concept	SRT	G-0383	Left Atrium Systolic Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
LA Dimen (2D)	site	SNM3	T-32300	Left Atrium
	concept	DCM	121206	Distance
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
LA Dimen (MM)	site	SNM3	T-32300	Left Atrium
	concept	LN	29469-4	Left Atrium Antero-posterior Systolic Dimension
	mode	SRT	G-0394	M mode
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LA ESV (BP)	site	SNM3	T-32300	Left Atrium
	concept	SRT	G-0383	Left Atrium Systolic Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	mm3	mm3
LA ESV Index (A2C)	site	SNM3	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-03	Left Atrium Systolic Volume Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	ml/m2	ml/m2
LA ESV Index (A4C)	site	SNM3	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-03	Left Atrium Systolic Volume Index

Priv Ped Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	ml/m2	ml/m2
LA ESV Index (BP)	site	SNM3	T-32300	Left Atrium
	concept	99PMSBLUS	C12205-03	Left Atrium Systolic Volume Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	ml/m2	ml/m2
LA/Ao (2D)	site	SNM3	T-32300	Left Atrium
	concept	LN	17985-3	Left Atrium to Aortic Root Ratio
	mode	SRT	G-03A2	2D mode
	units	UCUM	1	no units
LA/Ao (MM)	site	SNM3	T-32300	Left Atrium
	concept	LN	17985-3	Left Atrium to Aortic Root Ratio
	mode	SRT	G-0394	M mode
	units	UCUM	1	no units
LAD	site	SNM3	T-4311A	Left Anterior Descending Coronary Artery
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
LAed Major - A4C	site	SNM3	T-32300	Left Atrium
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LAed Minor - A4C	site	SNM3	T-32300	Left Atrium
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LAes Major - A4C	site	SNM3	T-32300	Left Atrium
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LAes Minor - A4C	site	SNM3	T-32300	Left Atrium
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm

Priv Ped Report Label	MOD Type	CSD	CV	CM
Lat A` Area	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-08	Area under LV A Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	mm	mm
Lat A` Vel	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3612-05	Tissue Velocity During Atrial Systole
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Lat Accel Time	site	SRT	T-32600	Left Ventricle
	concept	LN	20168-1	Acceleration Time
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Lat Decel Time	site	SRT	T-32600	Left Ventricle
	concept	LN	20217-6	Deceleration Time
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Lat E` Area	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-07	Area under LV E Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	mm	mm
Lat E` Vel	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3612-04	Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	phase	99PMSBLUS	C12233-01	Early Diastole
	units	UCUM	mm/s	mm/s
Lat IVCT	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-03	Isovolumic Contraction Time
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Lat IVRT	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-02	Isovolumic Relaxation Time
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging

Priv Ped Report Label	MOD Type	CSD	CV	CM
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Lat S Vel	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3612-04	Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
Late Dias Slope	site	SRT	T-35200	Pulmonic Valve
	concept	99PMSBLUS	C12209-01	Late Diastolic Slope
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Left Main	site	SRT	T-43107	Left Main Coronary Artery
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
LL PulmV A Dur	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3613-08	A Wave Duration
	target	SRT	R-4214B	Left Lower Segment
	units	UCUM	ms	ms
LL PulmV A Vel	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3612-01	Atrial Contraction Reversal Peak Velocity
	target	SRT	R-4214B	Left Lower Segment
	units	UCUM	mm/s	mm/s
LL PulmV Diam	site	SRT	T-48500	Pulmonary vein
	concept	SNM3	M-02550	Diameter
	target	SRT	R-4214B	Left Lower Segment
	units	UCUM	mm	mm
LL PulmV Dias Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122202	Diastolic blood velocity, peak
	target	SRT	R-4214B	Left Lower Segment
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
LL PulmV S/D	site	SRT	T-48500	Pulmonary vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	target	SRT	R-4214B	Left Lower Segment
	units	UCUM	1	no units
LL PulmV Sys Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122204	Systolic blood velocity, peak
	target	SRT	R-4214B	Left Lower Segment

Priv Ped Report Label	MOD Type	CSD	CV	CM
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
LPA Diam	site	SNM3	T-44400	Left pulmonary artery
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
LPA Max PG	site	SNM3	T-44400	Left pulmonary artery
	concept	LN	11726-7	Peak Velocity
	units	UCUM	mm/s	mm/s
LPA Max PG	site	SNM3	T-44400	Left pulmonary artery
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
LPA Mean PG	site	SNM3	T-44400	Left pulmonary artery
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
LU PulmV A Dur	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3613-08	A Wave Duration
	target	SRT	R-40491	Left Upper Segment
	units	UCUM	ms	ms
LU PulmV A Vel	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3612-01	Atrial Contraction Reversal Peak Velocity
	target	SRT	R-40491	Left Upper Segment
	units	UCUM	mm/s	mm/s
LU PulmV Diam	site	SRT	T-48500	Pulmonary vein
	concept	SNM3	M-02550	Diameter
	target	SRT	R-40491	Left Upper Segment
	units	UCUM	mm	mm
LU PulmV Dias Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122202	Diastolic blood velocity, peak
	target	SRT	R-40491	Left Upper Segment
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
LU PulmV S/D	site	SRT	T-48500	Pulmonary vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	target	SRT	R-40491	Left Upper Segment
	units	UCUM	1	no units
LU PulmV Sys Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122204	Systolic blood velocity, peak
	target	SRT	R-40491	Left Upper Segment
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s

Priv Ped Report Label	MOD Type	CSD	CV	CM
LV dP/dt	site	SRT	T-35300	Mitral Valve
	concept	LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg velocity
	units	UCUM	mmHg	mmHg
LV ET	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-02	Eject Time
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
LV ET	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-02	Eject Time
	units	UCUM	ms	ms
LV Mass (A/L)	site	SRT	T-32600	Left Ventricle
	concept	LN	18087-7	Left Ventricle Mass
	mode	SRT	G-03A2	2D mode
	units	UCUM	g	grams
LV Mass (Cubed)	site	SRT	T-32600	Left Ventricle
	concept	LN	18087-7	Left Ventricle Mass
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	g	grams
LV Mass Index (A/L)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-01	Left Ventricle Mass Index
	mode	SRT	G-03A2	2D mode
	units	UCUM	g/m2	g/m2
LV Mass Index(Cubed)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-01	Left Ventricle Mass Index
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	g/m2	g/m2
LV MPI	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-037F	Left Ventricular Index of Myocardial Performance
	units	UCUM	1	no units
LV PEP	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-03	Pre-Eject Time
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
LV PEP/ET	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-09	Ratio of Pre-Ejection Time to Ejection Time
	units	UCUM	1	no units
LVAd Sax Endo	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7471-07	Endocardial Area

Priv Ped Report Label	MOD Type	CSD	CV	CM
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm2	mm2
LVAd Sax Epi	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7471-05	Epicardial Area
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm2	mm2
LVDP (AI)	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12212-02	Left Ventricle Diastolic Pressure with Aortic Insufficiency
	phase	SRT	F-32011	End Diastole
	units	UCUM	mmHg	mmHg
LVed - SAX CH	site	SRT	T-32600	Left Ventricle
	concept	DCM	121206	Distance
	view	SRT	G-0399	Parasternal short axis at the level of the mitral chords
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVed - SAX PM	site	SRT	T-32600	Left Ventricle
	concept	DCM	121206	Distance
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVed Major - A4C	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVed Minor - A4C	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVes - SAX CH	site	SRT	T-32600	Left Ventricle
	concept	DCM	121206	Distance
	view	SRT	G-0399	Parasternal short axis at the level of the mitral chords
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LVes - SAX PM	site	SRT	T-32600	Left Ventricle
	concept	DCM	121206	Distance
	view	SRT	G-039B	Parasternal short axis at the Papillary Muscle level

Priv Ped Report Label	MOD Type	CSD	CV	CM
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LVes Major - A4C	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LVes Minor - A4C	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LVETc	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-06	Heart Rate-Corrected Ejection Time
	units	UCUM	ms	ms
LVIDd (2D)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-26	Internal Dimension
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVIDd (MM)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-26	Internal Dimension
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVIDs (2D)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-26	Internal Dimension
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LVIDs (MM)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-26	Internal Dimension
	mode	SRT	G-0394	M mode
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
LVLd Apical	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-A193	Major Axis
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
LVOT Accel	site	SRT	T-32600	Left Ventricle

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	LN	20168-1	Acceleration Time
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	ms	ms
LVOT Accel	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12222-04	Acceleration Slope
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm/s2	mm/s2
LVOT Area	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm2	mm2
LVOT Diam	site	SRT	T-32600	Left Ventricle
	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm	mm
LVOT Max PG	site	SRT	T-32600	Left Ventricle
	concept	LN	11726-7	Peak Velocity
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm/s	mm/s
LVOT Max PG	site	SRT	T-32600	Left Ventricle
	concept	LN	20247-3	Peak Gradient
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mmHg	mmHg
LVOT Mean PG	site	SRT	T-32600	Left Ventricle
	concept	LN	20256-4	Mean Gradient
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mmHg	mmHg
LVOT Vmax	site	SRT	T-32600	Left Ventricle
	concept	LN	11726-7	Peak Velocity
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm/s	mm/s
LVOT Vmax	site	SRT	T-32600	Left Ventricle
	concept	LN	20247-3	Peak Gradient
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mmHg	mmHg
LVOT VTI	site	SRT	T-32600	Left Ventricle
	concept	LN	20352-1	Mean Velocity

Priv Ped Report Label	MOD Type	CSD	CV	CM
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm/s	mm/s
LVOT VTI	site	SRT	T-32600	Left Ventricle
	concept	LN	20354-7	Velocity Time Integral
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm	mm
LVPEPc	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-07	Heart Rate-Corrected Pre-Ejection Time
	units	UCUM	ms	ms
LVPW % (2D)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-28	% Thickening
	mode	SRT	G-03A2	2D mode
	target	99PMSBLUS	C12243-01	Left Ventricle Posterior Wall
	units	UCUM	%	Percent
LVPW % (MM)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-28	% Thickening
	mode	SRT	G-0394	M mode
	target	99PMSBLUS	C12243-01	Left Ventricle Posterior Wall
	units	UCUM	%	Percent
LVPWd (2D)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	target	99PMSBLUS	C12243-01	Left Ventricle Posterior Wall
	units	UCUM	mm	mm
LVPWd (MM)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	target	99PMSBLUS	C12243-01	Left Ventricle Posterior Wall
	units	UCUM	mm	mm
LVPWs (2D)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-03A2	2D mode
	phase	DCM	109070	End Systole
	target	99PMSBLUS	C12243-01	Left Ventricle Posterior Wall
	units	UCUM	mm	mm
LVPWs (MM)	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-0394	M mode

Priv Ped Report Label	MOD Type	CSD	CV	CM
	phase	DCM	109070	End Systole
	target	99PMSBLUS	C12243-01	Left Ventricle Posterior Wall
	units	UCUM	mm	mm
LVSP (AS)	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C12212-01	Left Ventricle Systolic Pressure with Aortic Stenosis
	phase	DCM	109070	End Systole
	units	UCUM	mmHg	mmHg
Mean VCF	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-38	Mean Velocity of Circumferential Fiber Shortening
	mode	SRT	G-0394	M mode
	units	99PMSBLUS	circ/s	circ/s
Mean VCFc	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-39	HR-Corrected Mean Velocity of Circumferential Fiber Shortening
	mode	SRT	G-0394	M mode
	units	99PMSBLUS	circ/s	circ/s
Med A` Area	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-08	Area under LV A Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	mm	mm
Med A` Vel	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3612-05	Tissue Velocity During Atrial Systole
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Med Accel Time	site	SRT	T-32600	Left Ventricle
	concept	LN	20168-1	Acceleration Time
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Med Decel Time	site	SRT	T-32600	Left Ventricle
	concept	LN	20217-6	Deceleration Time
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Med E` Area	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-07	Area under LV E Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm	mm
Med E` Vel	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3612-04	Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	phase	99PMSBLUS	C12233-01	Early Diastole
	units	UCUM	mm/s	mm/s
Med IVCT	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-03	Isovolumic Contraction Time
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Med IVRT	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3613-02	Isovolumic Relaxation Time
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Med S Vel	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C3612-04	Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
MPA Area	site	99PMSBLUS	C3010-01	Main pulmonary artery
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
MPA Diam	site	99PMSBLUS	C3010-01	Main pulmonary artery
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
MPA Max PG	site	99PMSBLUS	C3010-01	Main pulmonary artery
	concept	LN	11726-7	Peak Velocity
	units	UCUM	mm/s	mm/s
MPA Max PG	site	99PMSBLUS	C3010-01	Main pulmonary artery
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
MPA Mean PG	site	99PMSBLUS	C3010-01	Main pulmonary artery
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
MR Alias Vel	site	SRT	T-35300	Mitral Valve

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	99PMSBLUS	C12222-02	Alias velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
MR ERO	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm2	mm2
MR Flow Rate	site	SRT	T-35300	Mitral Valve
	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm3/s	mm3/s
MR Fraction	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	%	Percent
MR Radius	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-01	Flow Radius
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm	mm
MR Vmax	site	SRT	T-35300	Mitral Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
MR Vmax	site	SRT	T-35300	Mitral Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mmHg	mmHg
MR Volume	site	SRT	T-35300	Mitral Valve
	concept	LN	33878-0	Volume Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm3	mm3
MR VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mmHg	mmHg
MR VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20352-1	Mean Velocity
	direction	SRT	R-42E61	Regurgitant Flow

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm/s	mm/s
MR VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm	mm
MV A Dur	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C3613-08	A Wave Duration
	units	UCUM	ms	ms
MV A-C Interval	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-07	A-C Interval
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
MV Accel	site	SRT	T-35300	Mitral Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
MV Accel	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-04	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
MV Alias Vel	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-02	Alias velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV Annul Area	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	target	SRT	T-35313	Mitral Annulus
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
MV Annul Diam	site	SRT	T-35300	Mitral Valve
	concept	SNM3	M-02550	Diameter
	target	SRT	T-35313	Mitral Annulus
	units	UCUM	mm	mm
MV Area	site	SRT	T-35300	Mitral Valve
	concept	SNM3	G-A166	Area
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
MV Area (Ellipse)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode

Priv Ped Report Label	MOD Type	CSD	CV	CM
	method	DCM	125211	Biplane Ellipse
	units	UCUM	mm2	mm2
MV Area (Planim)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	mode	SRT	G-03A2	2D mode
	method	DCM	125220	Planimetry
	units	UCUM	mm2	mm2
MV Closure to Opening	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C3613-01	Closure to Opening Time
	units	UCUM	ms	ms
MV D-E Exc	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C7470-27	D-E Excursion
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
MV D-E Slope	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-05	D-E Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
MV Decel Slope	site	SRT	T-35300	Mitral Valve
	concept	LN	20216-8	Deceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
MV Decel Time	site	SRT	T-35300	Mitral Valve
	concept	LN	20217-6	Deceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
MV DFP	site	SRT	T-35300	Mitral Valve
	concept	SRT	R-0032C	Mitral Diastolic Filling Period (DFPm)
	units	UCUM	ms	ms
MV Diam	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
MV E/A	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-08	E to A Ratio
	units	UCUM	1	no units
MV E-E Sep	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12207-03	Mitral Valve E-E Separation
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm

Priv Ped Report Label	MOD Type	CSD	CV	CM
MV E-F Slope	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-06	E-F Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
MV EPSS	site	SRT	T-35300	Mitral Valve
	concept	LN	18036-4	Mitral Valve EPSS, E wave
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
MV Major	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-A193	Major Axis
	units	UCUM	mm	mm
MV Mean PG	site	SRT	T-35300	Mitral Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
MV Minor	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-A194	Minor Axis
	units	UCUM	mm	mm
MV Peak A Vel	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C3612-03	A Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV Peak E Vel	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C3612-02	E Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV Radius	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-01	Flow Radius
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
MV Vmax	site	SRT	T-35300	Mitral Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV Vmax	site	SRT	T-35300	Mitral Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
MV VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20352-1	Mean Velocity

Priv Ped Report Label	MOD Type	CSD	CV	CM
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
MV VTI	site	SRT	T-35300	Mitral Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
MVA - P½t	site	SRT	T-35300	Mitral Valve
	concept	LN	20280-4	Pressure Half-Time
	units	UCUM	ms	ms
MVA - P½t	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12222-03	Pressure Half-Time Peak velocity
	units	UCUM	mm/s	mm/s
MVA (P½t)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125210	Area by Pressure Half-Time
	units	UCUM	mm2	mm2
MVA (PISA)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	units	UCUM	mm2	mm2
MVA (VTI)	site	SRT	T-35300	Mitral Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125215	Continuity Equation by Velocity Time Integral
	units	UCUM	mm2	mm2
PA Accel Time	site	99PMSBLUS	C3010-01	Main pulmonary artery
	concept	LN	20168-1	Acceleration Time
	units	UCUM	ms	ms
PA Accel Time	site	99PMSBLUS	C3010-01	Main pulmonary artery
	concept	99PMSBLUS	C12222-04	Acceleration Slope
	units	UCUM	mm/s2	mm/s2
PAP (AT)	site	SRT	T-35200	Pulmonic Valve
	concept	99PMSBLUS	C12210-01	Pulmonary Artery Pressure using Accel Time
	units	UCUM	mmHg	mmHg
PD	site	SRT	T-43210	Posterior Descending Right Coronary Artery
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
PDA Diam	site	SNM3	D4-32012	Patent ductus arteriosus
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
PDA Dias Vel	site	SNM3	D4-32012	Patent ductus arteriosus

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
PDA Sys Vel	site	SNM3	D4-32012	Patent ductus arteriosus
	concept	DCM	122204	Systolic blood velocity, peak
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
PI Decel Slope	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20216-8	Deceleration Slope
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s2	mm/s2
PI Decel Time	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20217-6	Deceleration Time
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	ms	ms
PI End Dias Vel	site	SRT	T-35200	Pulmonic Valve
	concept	LN	11653-3	End Diastolic Velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
PI P½t	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20280-4	Pressure Half-Time
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	ms	ms
PI P½t	site	SRT	T-35200	Pulmonic Valve
	concept	99PMSBLUS	C12222-03	Pressure Half-Time Peak velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
PISA (AI)	site	SRT	T-35400	Aortic Valve
	concept	99PMSBLUS	C7471-06	Flow Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm2	mm2
PISA (MR)	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C7471-06	Flow Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm2	mm2
PISA (TR)	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C7471-06	Flow Area
	method	DCM	125216	Proximal Isovelocity Surface Area

Priv Ped Report Label	MOD Type	CSD	CV	CM
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm2	mm2
Pulm A Dur	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3613-08	A Wave Duration
	units	UCUM	ms	ms
Pulm A Vel	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3612-01	Atrial Contraction Reversal Peak Velocity
	units	UCUM	mm/s	mm/s
Pulm Dias Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
Pulm S/D	site	SRT	T-48500	Pulmonary vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	units	UCUM	1	no units
Pulm Sys Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122204	Systolic blood velocity, peak
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
PV Accel	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
PV Accel	site	SRT	T-35200	Pulmonic Valve
	concept	99PMSBLUS	C12222-04	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
PV Annul Diam	site	SRT	T-35200	Pulmonic Valve
	concept	SNM3	M-02550	Diameter
	target	99PMSBLUS	C12209-04	Pulmonic Annulus
	units	UCUM	mm	mm
PV Max PG	site	SRT	T-35200	Pulmonic Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
PV Max PG	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
PV Mean PG	site	SRT	T-35200	Pulmonic Valve

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
PV Vmax	site	SRT	T-35200	Pulmonic Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm/s	mm/s
PV Vmax	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mmHg	mmHg
PV VTI	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20352-1	Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
PV VTI	site	SRT	T-35200	Pulmonic Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
PVA (Vmax)	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm2	mm2
PVA (VTI)	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125215	Continuity Equation by Velocity Time Integral
	units	UCUM	mm2	mm2
Qp/Qs	site	SRT	P5-30031	Cardiac Shunt Study
	concept	LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio
	units	UCUM	1	no units
RA Dimen (2D)	site	SNM3	T-32200	Right Atrium
	concept	DCM	121206	Distance
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
RA Dimen (MM)	site	SNM3	T-32200	Right Atrium
	concept	SNM3	M-02550	Diameter
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm

Priv Ped Report Label	MOD Type	CSD	CV	CM
RA Pressure	site	SNM3	T-32200	Right Atrium
	concept	99PMSBLUS	C12220-09	Pressure
	phase	DCM	109070	End Systole
	units	UCUM	mmHg	mmHg
RAed Major - A4C	site	SNM3	T-32200	Right Atrium
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RAed Minor - A4C	site	SNM3	T-32200	Right Atrium
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RAes Major - A4C	site	SNM3	T-32200	Right Atrium
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
RAes Minor - A4C	site	SNM3	T-32200	Right Atrium
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
RCA	site	SNM3	T-43203	Right Coronary Artery
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
RL PulmV A Dur	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3613-08	A Wave Duration
	target	SRT	R-4049E	Right Lower Segment
	units	UCUM	ms	ms
RL PulmV A Vel	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3612-01	Atrial Contraction Reversal Peak Velocity
	target	SRT	R-4049E	Right Lower Segment
	units	UCUM	mm/s	mm/s
RL PulmV Diam	site	SRT	T-48500	Pulmonary vein
	concept	SNM3	M-02550	Diameter
	target	SRT	R-4049E	Right Lower Segment
	units	UCUM	mm	mm
RL PulmV Dias Vel	site	SRT	T-48500	Pulmonary vein

Priv Ped Report Label	MOD Type	CSD	CV	CM
	concept	DCM	122202	Diastolic blood velocity, peak
	target	SRT	R-4049E	Right Lower Segment
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
RL PulmV S/D	site	SRT	T-48500	Pulmonary vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	target	SRT	R-4049E	Right Lower Segment
	units	UCUM	1	no units
RL PulmV Sys Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122204	Systolic blood velocity, peak
	target	SRT	R-4049E	Right Lower Segment
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
RPA Diam	site	SNM3	T-44200	Right pulmonary artery
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
RPA Max PG	site	SNM3	T-44200	Right pulmonary artery
	concept	LN	11726-7	Peak Velocity
	units	UCUM	mm/s	mm/s
RPA Max PG	site	SNM3	T-44200	Right pulmonary artery
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
RPA Mean PG	site	SNM3	T-44200	Right pulmonary artery
	concept	LN	20256-4	Mean Gradient
	units	UCUM	mmHg	mmHg
RU PulmV A Dur	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3613-08	A Wave Duration
	target	SRT	R-404A0	Right Upper Segment
	units	UCUM	ms	ms
RU PulmV A Vel	site	SRT	T-48500	Pulmonary vein
	concept	99PMSBLUS	C3612-01	Atrial Contraction Reversal Peak Velocity
	target	SRT	R-404A0	Right Upper Segment
	units	UCUM	mm/s	mm/s
RU PulmV Diam	site	SRT	T-48500	Pulmonary vein
	concept	SNM3	M-02550	Diameter
	target	SRT	R-404A0	Right Upper Segment
	units	UCUM	mm	mm
RU PulmV Dias Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122202	Diastolic blood velocity, peak
	target	SRT	R-404A0	Right Upper Segment

Priv Ped Report Label	MOD Type	CSD	CV	CM
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
RU PulmV S/D	site	SRT	T-48500	Pulmonary vein
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	target	SRT	R-404A0	Right Upper Segment
	units	UCUM	1	no units
RU PulmV Sys Vel	site	SRT	T-48500	Pulmonary vein
	concept	DCM	122204	Systolic blood velocity, peak
	target	SRT	R-404A0	Right Upper Segment
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
RV ET	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C12203-02	Eject Time
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
RV ET	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C12203-02	Eject Time
	units	UCUM	ms	ms
RV MPI	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-0381	Right Ventricular Index of Myocardial Performance
	units	UCUM	1	no units
RV PEP	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C12203-03	Pre-Eject Time
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
RV PEP/ET	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C3613-09	Ratio of Pre-Ejection Time to Ejection Time
	units	UCUM	1	no units
RVAWd (2D)	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	target	99PMSBLUS	C12204-03	Right Ventricular Anterior Wall
	units	UCUM	mm	mm
RVAWd (MM)	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C7470-25	Thickness
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	target	99PMSBLUS	C12204-03	Right Ventricular Anterior Wall
	units	UCUM	mm	mm

Priv Ped Report Label	MOD Type	CSD	CV	CM
RVed Major - A4C	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RVed Minor - A4C	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RVes Major - A4C	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-A193	Major Axis
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
RVes Minor - A4C	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-A194	Minor Axis
	view	SRT	G-A19C	Apical four chamber
	phase	DCM	109070	End Systole
	units	UCUM	mm	mm
RVIDd (2D)	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C7470-26	Internal Dimension
	mode	SRT	G-03A2	2D mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RVIDd (MM)	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C7470-26	Internal Dimension
	mode	SRT	G-0394	M mode
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm	mm
RVOT Accel	site	SRT	T-32500	Right Ventricle
	concept	LN	20168-1	Acceleration Time
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	ms	ms
RVOT Accel	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C12222-04	Acceleration Slope
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm/s2	mm/s2
RVOT Area	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-038E	Cardiovascular Orifice Area

Priv Ped Report Label	MOD Type	CSD	CV	CM
	mode	SRT	G-03A2	2D mode
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm2	mm2
RVOT Diam	site	SRT	T-32500	Right Ventricle
	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm	mm
RVOT Max PG	site	SRT	T-32500	Right Ventricle
	concept	LN	11726-7	Peak Velocity
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm/s	mm/s
RVOT Max PG	site	SRT	T-32500	Right Ventricle
	concept	LN	20247-3	Peak Gradient
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mmHg	mmHg
RVOT Mean PG	site	SRT	T-32500	Right Ventricle
	concept	LN	20256-4	Mean Gradient
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mmHg	mmHg
RVOT Vmax	site	SRT	T-32500	Right Ventricle
	concept	LN	11726-7	Peak Velocity
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mm/s	mm/s
RVOT Vmax	site	SRT	T-32500	Right Ventricle
	concept	LN	20247-3	Peak Gradient
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	method	DCM	125214	Continuity Equation by Peak Velocity
	units	UCUM	mmHg	mmHg
RVOT VTI	site	SRT	T-32500	Right Ventricle
	concept	LN	20352-1	Mean Velocity
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm/s	mm/s
RVOT VTI	site	SRT	T-32500	Right Ventricle
	concept	LN	20354-7	Velocity Time Integral
	target	SNM3	T-32550	Right Ventricle Outflow Tract
	units	UCUM	mm	mm
RVPEPc	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C3613-07	Heart Rate-Corrected Pre-Ejection Time

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	ms	ms
RVSP	site	SRT	T-32500	Right Ventricle
	concept	99PMSBLUS	C12220-09	Pressure
	phase	DCM	109070	End Systole
	units	UCUM	mmHg	mmHg
RVSP (VSD)	site	SRT	D4-31150	Ventricular Septal Defect
	concept	99PMSBLUS	C12220-09	Pressure
	phase	DCM	109070	End Systole
	units	UCUM	mmHg	mmHg
SI (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	ml/m2	ml/m2
SI (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	ml/m2	ml/m2
SI (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	ml/m2	ml/m2
SI (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	ml/m2	ml/m2
SI (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	ml/m2	ml/m2
SI (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode

Priv Ped Report Label	MOD Type	CSD	CV	CM
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	ml/m2	ml/m2
SI (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	ml/m2	ml/m2
SI (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	ml/m2	ml/m2
SI (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-00078	Stroke Index
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	ml/m2	ml/m2
SV (2D-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125206	Cube Method
	units	UCUM	mm3	mm3
SV (2D-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125209	Teichholz
	units	UCUM	mm3	mm3
SV (A2C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
SV (A2C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19B	Apical two chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3

Priv Ped Report Label	MOD Type	CSD	CV	CM
SV (A4C)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125208	Method of Disks, Single Plane
	units	UCUM	mm3	mm3
SV (A4C-A/L)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	view	SRT	G-A19C	Apical four chamber
	method	DCM	125226	Single Plane Ellipse
	units	UCUM	mm3	mm3
SV (BP)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-03A2	2D mode
	method	DCM	125207	Method of Disks, Biplane
	units	UCUM	mm3	mm3
SV (LVOT)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	target	SNM3	T-32650	Left Ventricle Outflow Tract
	units	UCUM	mm3	mm3
SV (MM-Cubed)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-0394	M mode
	method	DCM	125206	Cube Method
	units	UCUM	mm3	mm3
SV (MM-Teich)	site	SRT	T-32600	Left Ventricle
	concept	SRT	F-32120	Stroke Volume
	mode	SRT	G-0394	M mode
	method	DCM	125209	Teichholz
	units	UCUM	mm3	mm3
SV (MV)	site	SRT	T-35300	Mitral Valve
	concept	SRT	F-32120	Stroke Volume
	units	UCUM	mm3	mm3
SV (PV)	site	SRT	T-35200	Pulmonic Valve
	concept	SRT	F-32120	Stroke Volume
	units	UCUM	mm3	mm3
SV (RVOT)	site	SRT	T-32500	Right Ventricle
	concept	SRT	F-32120	Stroke Volume
	target	SNM3	T-32550	Right Ventricle Outflow Tract

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm3	mm3
SV (TV)	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	F-32120	Stroke Volume
	units	UCUM	mm3	mm3
SVC A Dur	site	99PMSBLUS	C3010-03	Right Superior vena cava
	concept	99PMSBLUS	C3613-08	A Wave Duration
	units	UCUM	ms	ms
SVC A Vel	site	99PMSBLUS	C3010-03	Right Superior vena cava
	concept	99PMSBLUS	C3612-01	Atrial Contraction Reversal Peak Velocity
	units	UCUM	mm/s	mm/s
SVC Diam	site	99PMSBLUS	C3010-03	Right Superior vena cava
	concept	SNM3	M-02550	Diameter
	units	UCUM	mm	mm
SVC Dias Vel	site	99PMSBLUS	C3010-03	Right Superior vena cava
	concept	DCM	122202	Diastolic blood velocity, peak
	phase	SRT	F-32011	End Diastole
	units	UCUM	mm/s	mm/s
SVC S/D	site	99PMSBLUS	C3010-03	Right Superior vena cava
	concept	LN	12144-2	Systolic to Diastolic Velocity Ratio
	units	UCUM	1	no units
SVC Sys Vel	site	99PMSBLUS	C3010-03	Right Superior vena cava
	concept	DCM	122204	Systolic blood velocity, peak
	phase	DCM	109070	End Systole
	units	UCUM	mm/s	mm/s
Tei Index	site	SRT	T-35300	Mitral Valve
	concept	99PMSBLUS	C12207-05	Tei Index
	units	UCUM	1	no units
Time to Lat E`	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-06	Time to LV E Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Time to Lat S	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-05	Time to LV S Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0392	Lateral Mitral Annulus
	units	UCUM	ms	ms
Time to Med E`	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-06	Time to LV E Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging

Priv Ped Report Label	MOD Type	CSD	CV	CM
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
Time to Med S	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-05	Time to LV S Tissue Velocity
	mode	99PMSBLUS	T12224-02	Tissue Doppler Imaging
	target	SRT	G-0391	Medial Mitral Annulus
	units	UCUM	ms	ms
TR Alias Vel	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-02	Alias velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
TR ERO	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm2	mm2
TR Flow Rate	site	SRT	T-35100	Tricuspid Valve
	concept	LN	34141-2	Peak Instantaneous Flow Rate
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm3/s	mm3/s
TR Fraction	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-0390	Regurgitant Fraction
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	%	Percent
TR Radius	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-01	Flow Radius
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm	mm
TR Vmax	site	SRT	T-35100	Tricuspid Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
TR Vmax	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mmHg	mmHg
TR Volume	site	SRT	T-35100	Tricuspid Valve
	concept	LN	33878-0	Volume Flow
	method	DCM	125216	Proximal Isovelocity Surface Area
	direction	SRT	R-42E61	Regurgitant Flow

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm3	mm3
TR VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20256-4	Mean Gradient
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mmHg	mmHg
TR VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20352-1	Mean Velocity
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm/s	mm/s
TR VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42E61	Regurgitant Flow
	units	UCUM	mm	mm
TV A Dur	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C3613-08	A Wave Duration
	units	UCUM	ms	ms
TV A-C Interval	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-07	A-C Interval
	mode	SRT	G-0394	M mode
	units	UCUM	ms	ms
TV Accel	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20168-1	Acceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
TV Accel	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-04	Acceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
TV Alias Vel	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-02	Alias velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV Annul Area	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	target	SRT	T-35111	Tricuspid Annulus
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
TV Annul Diam	site	SRT	T-35100	Tricuspid Valve
	concept	SNM3	M-02550	Diameter
	target	SRT	T-35111	Tricuspid Annulus

Priv Ped Report Label	MOD Type	CSD	CV	CM
	units	UCUM	mm	mm
TV Area	site	SRT	T-35100	Tricuspid Valve
	concept	SNM3	G-A166	Area
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm2	mm2
TV Closure to Opening	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C3613-01	Closure to Opening Time
	units	UCUM	ms	ms
TV D-E Exc	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C7470-27	D-E Excursion
	mode	SRT	G-0394	M mode
	units	UCUM	mm	mm
TV D-E Slope	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-05	D-E Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
TV Decel Slope	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20216-8	Deceleration Slope
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s2	mm/s2
TV Decel Time	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20217-6	Deceleration Time
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	ms	ms
TV DFP	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	R-003A9	Tricuspid Diastolic Filling Period (DFPt)
	units	UCUM	ms	ms
TV Diam	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-038F	Cardiovascular Orifice Diameter
	mode	SRT	G-03A2	2D mode
	units	UCUM	mm	mm
TV E/A	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-08	E to A Ratio
	units	UCUM	1	no units
TV E-F Slope	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-06	E-F Slope
	mode	SRT	G-0394	M mode
	units	UCUM	mm/s	mm/s
TV Mean PG	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20256-4	Mean Gradient

Priv Ped Report Label	MOD Type	CSD	CV	CM
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
TV P½t	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20280-4	Pressure Half-Time
	units	UCUM	ms	ms
TV P½t	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-03	Pressure Half-Time Peak velocity
	units	UCUM	mm/s	mm/s
TV Peak A Vel	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C3612-03	A Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV Peak E Vel	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C3612-02	E Wave Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV Radius	site	SRT	T-35100	Tricuspid Valve
	concept	99PMSBLUS	C12222-01	Flow Radius
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
TV Vmax	site	SRT	T-35100	Tricuspid Valve
	concept	LN	11726-7	Peak Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV Vmax	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20247-3	Peak Gradient
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mmHg	mmHg
TV VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20352-1	Mean Velocity
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm/s	mm/s
TV VTI	site	SRT	T-35100	Tricuspid Valve
	concept	LN	20354-7	Velocity Time Integral
	direction	SRT	R-42047	Antegrade Flow
	units	UCUM	mm	mm
TVA (PISA)	site	SRT	T-35100	Tricuspid Valve
	concept	SRT	G-038E	Cardiovascular Orifice Area
	method	DCM	125216	Proximal Isovelocity Surface Area
	units	UCUM	mm2	mm2

Priv Ped Report Label	MOD Type	CSD	CV	CM
VSD Diam	site	SRT	D4-31150	Ventricular Septal Defect
	concept	SNM3	M-02550	Diameter
	mode	SRT	G-03A2	2D mode
	derivation	DCM	121428	Calculated
	units	UCUM	mm	mm
VSD Major	site	SRT	D4-31150	Ventricular Septal Defect
	concept	SRT	G-A193	Major Axis
	units	UCUM	mm	mm
VSD Minor	site	SRT	D4-31150	Ventricular Septal Defect
	concept	SRT	G-A194	Minor Axis
	units	UCUM	mm	mm
VSD Vmax	site	SRT	D4-31150	Ventricular Septal Defect
	concept	LN	11726-7	Peak Velocity
	units	UCUM	mm/s	mm/s
VSD Vmax	site	SRT	D4-31150	Ventricular Septal Defect
	concept	LN	20247-3	Peak Gradient
	units	UCUM	mmHg	mmHg
Wall Stress	site	SRT	T-32600	Left Ventricle
	concept	99PMSBLUS	C12203-37	Left Ventricle Meridional Wall Stress
	mode	SRT	G-0394	M mode
	units	UCUM	g/m2	g/m2

A.9 PRIVATE TEMPLATE EXTENSIONS

The PDE and Study Info data that is not already part of the DICOM templates is included using the following template extensions, per the appropriate application.

A.9.1 TID5001: OB-GYN Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
9	>	CONTAINS	TEXT or DATE or NUM	DCID (99002) General Study Info	1	U		
10	>	CONTAINS	TEXT or DATE or NUM	DCID (99003) OB Study Info	1	U		
11	>	CONTAINS	TEXT or DATE or NUM	DCID (99004) Gyn Study Info	1	U		

Line 4.1 is used only with a user-defined table or equation.

A.9.2 TID5008: Fetal Biometry Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
3	>	CONTAINS	NUM	EV (18185-9 , LN, "Gestational Age")	1	MC	At least one of row 2 and 3 shall be present	Units = EV (d, UCUM, days)
4	>>	INFERRED FROM	CODE	DCID (228) Equation or Table	1	U	IF row 4.1 is absent	DCID (12013) Gestational Age Equations and Tables
4.1	>>	INFERRED FROM	TEXT	DCID (228) Equation or Table	1	U	IF row 4 is absent	
5	>>	R-INFERRED FROM	NUM		1-n	U		

A.9.3 TID5101: Vascular Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
7	>	CONTAINS	TEXT or DATE or NUM	DCID (99002) General Study Info	1	U		
8	>	CONTAINS	TEXT or DATE or NUM	DCID (99005) Vascular Study Info	1	U		
9	>	CONTAINS	TEXT or DATE or NUM	DCID (99006) Abdominal Study Info	1	U		

A.9.4 TID5202: Echocardiography Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
9	>	CONTAINS	TEXT or DATE or NUM	DCID (99002) General Study Info	1	U		
10	>	CONTAINS	TEXT or DATE or NUM	DCID (99007) Adult Echo Study Info	1	U		

Trace Method indicates the specific trace type that was used by QLAB during the acquisition of measurement data.

A.9.5 TID5203: Echo Measurement

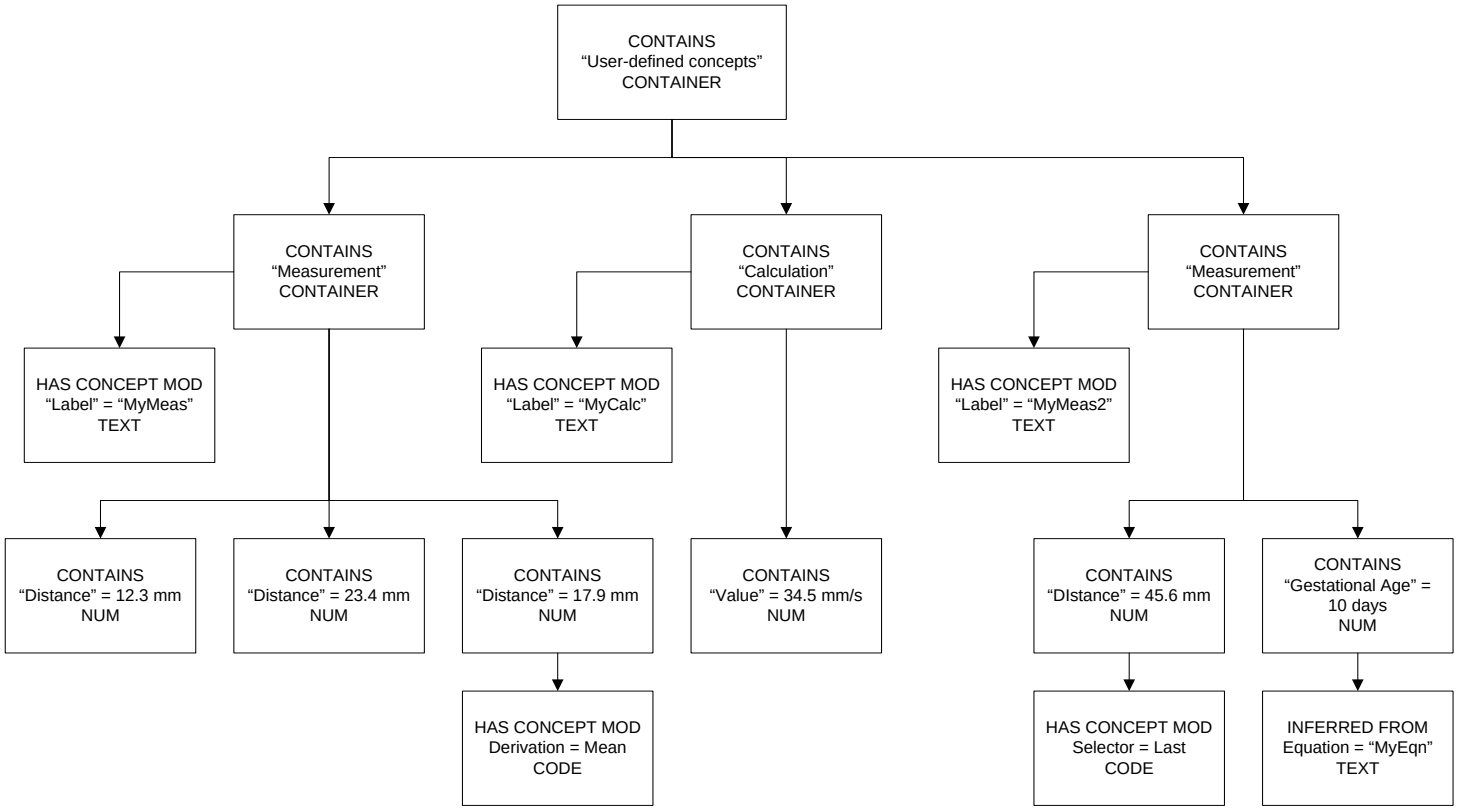
	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
7	>	HAS CONCEPT MOD	CODE	EV (G-C036-99, 99PMSBLUS, “Trace Method”)	1	U		DCID (99000) Extended Trace Type Modifier

A.10 USER-DEFINED MEASUREMENTS AND CALCULATIONS

A.10.1 Description

In order to export all user-defined measurements and calculations, a generic structure was created that does not assign specific codes to the individual measurements, rather uses the label given by the user. This will allow all user-defined measurements to be treated in a uniform manner, without needing a per-site dictionary of user-defined codes.

A.10.2 Structure



A.10.3 Template definition

A.10.3.1 Private Template and Template Extensions

A.10.3.1.1 TID5000: OB-GYN Ultrasound Procedure Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
25	>	CONTAINS	INCLUDE	TID (9902) Fetal Heart Section	1	U		
26	>	CONTAINS	INCLUDE	TID (9900) User-defined concepts	1	U		

A.10.3.1.2 TID5100: Vascular Ultrasound Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
31	>	CONTAINS	INCLUDE	TID (9900) User-defined concepts	1	U		

A.10.3.1.3 TID5200: Echocardiography Procedure Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
22	>	CONTAINS	INCLUDE	TID (9900) User-defined concepts	1	U		

A.10.3.1.4 TID995300: Pediatric Echocardiography Procedure Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
...	...	...	...	...	...	...	...	...
22	>	CONTAINS	INCLUDE	TID (9900) User-defined concepts	1	U		

A.10.3.1.5 TID9900: User-defined concepts

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (T9900-01, 99PMSBLUS, “User-defined concepts”)	1	M		
2	>	CONTAINS	INCLUDE	TID (9901) User-defined concept	1-n	MC	One of row 2 and 3 must be present	$Type = DT (T9900-02, 99PMSBLUS, “Measurement”)
3	>	CONTAINS	INCLUDE	TID (9901) User-defined concept	1-n	MC	One of row 2 and 3 must be present	$Type = DT (T9900-03, 99PMSBLUS, “Calculation”)

A.10.3.1.6 TID9901: User-defined concept

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$Type	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	HAS CONCEPT MOD	TEXT	DT (T9900-04, 99PMSBLUS, “Label”)	1	M		
4	>	HAS CONCEPT MOD	CODE	DT (G-C171, SRT, “Laterality”)	1	U		DCID (244) Laterality
5	>	CONTAINS	INCLUDE	TID (300)	1	1-n	IFF $Type = “Measurement”	$Measurement = DCID (99008) Results $Derivation = DCID (3627) Measurement Type
6	>	CONTAINS	INCLUDE	TID (300)	1	1	IFF $Type = “Calculation”	$Measurement = DT (T9900-05, 99PMSBLUS, “Value”)
7	>	CONTAINS	NUM	EV (18185-9 , LN, “Gestational Age”)	1	U		$Units = EV (d, 1.4, UCUM, days)
8	>	INFERRED FROM	TEXT	DCID (228) Equation or Table	1	U		

A.10.3.1.7 TID9902: Fetal Heart Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (99999, 99PMSBLUS, “Fetal Heart”)	1	M	…	…
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context. Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	INCLUDE	DTID (5008) Fetal Biometry Group	1-n	M		$Biometery Type=MemberOf (DCID (99001) Fetal Heart)

A.10.3.1.8 TID 5009: Fetal Biophysical Profile Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT 125006,DCM,”Biophysical Profile”)	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context. Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	NUM	EV (11631-9,LN, “Gross Body Movement”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, “range 0:2”)
4	>	CONTAINS	NUM	EV (11632-7,LN, “Fetal Breathing”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, “range 0:2”)
5	>	CONTAINS	NUM	EV (11635-0,LN, “Fetal Tone”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, “range 0:2”)
6	>	CONTAINS	NUM	EV (11635-5,LN, “Fetal Heart Reactivity”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, “range 0:2”)
7	>	CONTAINS	NUM	EV (11630-1,LN, “Amniotic Fluid Volume”)	1	MC	At least one of row 3-7 shall be present	Units = DT (“{0:2}”, UCUM, “range 0:2”)
8	>	CONTAINS	NUM	DT (11634-3,LN, ”Bipohysical Profile Sum Score”)	1	U		

A.10.3.1.9 TID 5016: Pelvis and Uterus Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT 125011,DCM,”Pelvis and Uterus”)	1	M		
2	>	CONTAINS	INCLUDE	DTID (5016) LWH Volume Group	1	U		$GroupName = EV (T-83000, SRT, ”Uterus”) $Width = EV (11865-3,LN,” Uterus Width”) $Length = EV (11842-2, LN,” Uterus Length”) $Height = EV (11859-6, LN,” Uterus Height”) $Volume = EV (33192-6, LN, ”Uterus Volume”)
3	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	U		$Measurement = DCID (12011) Ultrasound Pelvis and Uterus $Derivation = DCID (3627) Measurement Type

A.10.3.1.10 Context Group 99008: Measurement Results (from Tools & Results tab in Analysis Config)

Result (long)	Result (short)	CSD	CV	CM
Alias Velocity	Alias Vel	99PMSBLUS	C12222-02	Alias Velocity
Distance 1	Dist 1	99PMSBLUS	C7470-02	Distance 1 of 3 Distance Volume
Distance 2	Dist 2	99PMSBLUS	C7470-03	Distance 2 of 3 Distance Volume
Distance 3	Dist 3	99PMSBLUS	C7470-04	Distance 3 of 3 Distance Volume
Acceleration Index	AI	LN	20167-3	Acceleration Index
Acceleration Time	AT	LN	20168-1	Acceleration Time
Alpha	α	99PMSBLUS	C12122-04	Alpha of Hip Angle
Area	Area	SNM3	G-A166	Area
Area 1	Area 1	99PMSBLUS	C7471-01	Area 1 of Area Percent Reduction
Area 2	Area 2	99PMSBLUS	C7471-02	Area 2 of Area Percent Reduction
% Area Reduction	Area Reduc	SRT	G-0371	Percent Area Reduction
Beta	β	99PMSBLUS	C12122-05	Beta of Hip Angle
bpp	bpp			
Mean Pressure Gradient	Mean PG	LN	20256-4	Mean Gradient
Mean Velocity	Vmean	LN	11692-1	Time averaged peak velocity
Circumference	Circ	SNM3	M-02560	Circumference

Result (long)	Result (short)	CSD	CV	CM
D	D	99PMSBLUS	C7470-17	(D)Diameter of Circle in d:D Ratio
d	d	99PMSBLUS	C7470-18	(d)Distance Between Medial and Iliac line in d:D Ratio
d:D	d:D	99PMSBLUS	C12121-01	d:D Ratio
Deceleration Time	DT	LN	20217-6	Deceleration Time
Diam 1	Diam 1	99PMSBLUS	C7470-05	Diameter 1 of Diameter Reduction
Diam 2	Diam 2	99PMSBLUS	C7470-06	Diameter 2 of Diameter Reduction
% Diam Reduction	Diam Reduc	SRT	G-0372	Percent Diameter Reduction
Distance	Dist	DCM	121206	Distance
Theta	θ	99PMSBLUS	C12122-01	Doppler Correction Angle
dP/dt	dP/dt	DCM	109025	Max dp/dt
Slope	Slope	99PMSBLUS	C99PMSBLUS-GM-01	Doppler Slope
Time	Time	99PMSBLUS	C99PMSBLUS-GM-02	Doppler Time
End Diastolic Vel	EDV	LN	11653-3	End Diastolic Velocity
EF	EF	99PMSBLUS	C3467-01	Ejection Fraction
Distance	Dist	99PMSBLUS	C7470-07	Distance of Ellipse Distance Volume
Heart Rate	HR	LN	8867-4	Heart Rate
Major Axis	Major	SRT	G-A193	Major Axis
Max PG	Max PG	LN	20247-3	Max Peak Gradient
Min Diastolic Velocity	MDV	LN	11665-7	Minimum Diastolic Velocity
Minor	Minor	SRT	G-A194	Minor Axis
Dist2	Dist2	99PMSBLUS	C7470-10	MMode Distance 2
Dist3	Dist3	99PMSBLUS	C7470-11	MMode Distance 3
Dist4	Dist4	99PMSBLUS	C7470-12	MMode Distance 4
Dist5	Dist5	99PMSBLUS	C7470-13	MMode Distance 5
Dist6	Dist6	99PMSBLUS	C7470-14	MMode Distance 6
Dist7	Dist7	99PMSBLUS	C7470-15	MMode Distance 7
Dist8	Dist8	99PMSBLUS	C7470-16	MMode Distance 8
Slope	Slope	99PMSBLUS	C99PMSBLUS-GM-03	MMode Slope
Time	Time	99PMSBLUS	C99PMSBLUS-GM-04	MMode Time
Percent	Percent			
Pressure Gradient	PG	LN	20247-3	Peak Gradient
Mean Pressure Gradient	MG	LN	20256-4	Mean Gradient
Pressure Half-Time	P 1/2 t	LN	20280-4	Pressure Half-Time
Pulsatility Index	PI	LN	12008-9	Pulsatility Index
Peak Systolic Vel	PSV	LN	11726-7	Peak Systolic Velocity
Resistive Index	RI	LN	12023-8	Resistivity Index
Systolic/Diastiolic Ratio	S/D	LN	12144-2	Systolic to Diastolic Velocity Ratio
LV Area	LV Area	99PMSBLUS	C7471-04	Simpson Area
LV Length	LV Length	99PMSBLUS	C7470-09	Simpson Distance
LV Volume	LV Vol	99PMSBLUS	C7472-01	Simpson Volume
Time Avg Mean Velocity	TAMV	LN	20352-1	Time averaged mean velocity
Time Avg Peak Velocity	TAPV	LN	11692-1	Time averaged peak velocity
Time	Time			
ICA/CCA Ratio	ICA/CCA Ratio			
Pressure	Pressure	99PMSBLUS	C12220-08	Blood Pressure
Velocity	Vel	DCM	122207	Blood velocity, peak
Max Velocity	Vmax	LN	11726-7	Peak Velocity
Min Velocity	Vmin	LN	20352-1	Mean Velocity
Volume	Volume	SNM3	G-D705	Volume
Volume Flow	Vol Flow	LN	33878-0	Volume Flow
Volume Flow Area	Area	99PMSBLUS	C7471-03	Area of Volume Flow
Volume Flow Diameter	Diam	99PMSBLUS	C7470-08	Diameter of Volume Flow
Velocity Time Integral	VTI	LN	20354-7	Velocity Time Integral

A.11 MEASUREMENT CONTEXTS

A.11.1.1 Table of Units Codes

CSD	CSV	CV	CM
UCUM	1.4	mm	mm
UCUM	1.4	ms	ms
UCUM	1.4	1/min	bpm
UCUM	1.4	mm/s	mm/s
UCUM	1.4	mm2	mm2
UCUM	1.4	mm3	mm3
UCUM	1.4	mm[Hg]	mmHg
UCUM	1.4	mm/s2	mm/s2
UCUM	1.4	mm[Hg]/s	mmHg/s
UCUM		1	no units
UCUM		%	Percent
UCUM	1.4	g	grams
UCUM	1.4	d	days
UCUM	1.4	deg	deg
UCUM	1.4	mm3/s	mm3/s
UCUM	1.4	mm/s2	mm/s2
UCUM	1.4	g/m2	g/m2
UCUM	1.4	l/min/m2	l/min/m2
UCUM	1.4	ml/m2	ml/m2
UCUM	1.4	m2	m2

A.11.1.2 OB only and patient characteristics:

CSD	CSV	CV	CM
UCUM		{0:2}	range {0:2}
UCUM		{0:8}	range {0:8}
UCUM	1.4	m	m
UCUM	1.4	kg	kg

B APPENDIX B – BULK PRIVATE TAGS

B.1 BULK PRIVATE ATTRIBUTES

The private attributes listed below are intended to provide awareness of large data sets of private data from EPIQ 1.2.x.x datasets

Attribute Name	DICOM Tag	VR	Description
Private Data	(200D.300E)	OB	Bulk data
Private Data	(200D,300B)	OB	Bulk data
Private Data	(200D,3CF3)	OB	Bulk data

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